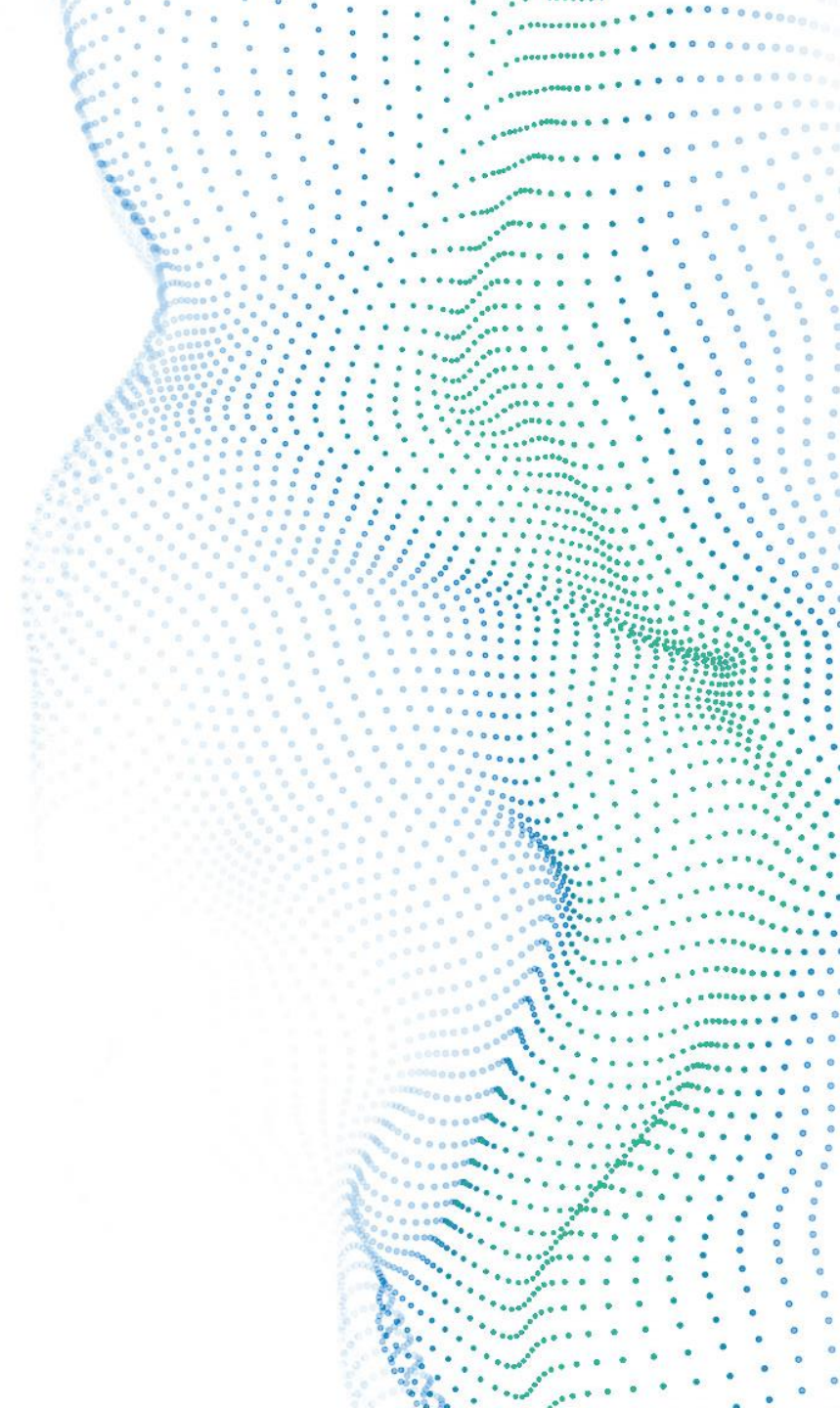alteryx

Alteryx Core Certification Training Series

Training Series by Week

1 Reading and Writing Data

2 Data Blending and Formatting

3 Data Preparation

4 Transforming and Parsing Data

5 User Interface (UI), Documentation and Workflow Configuration
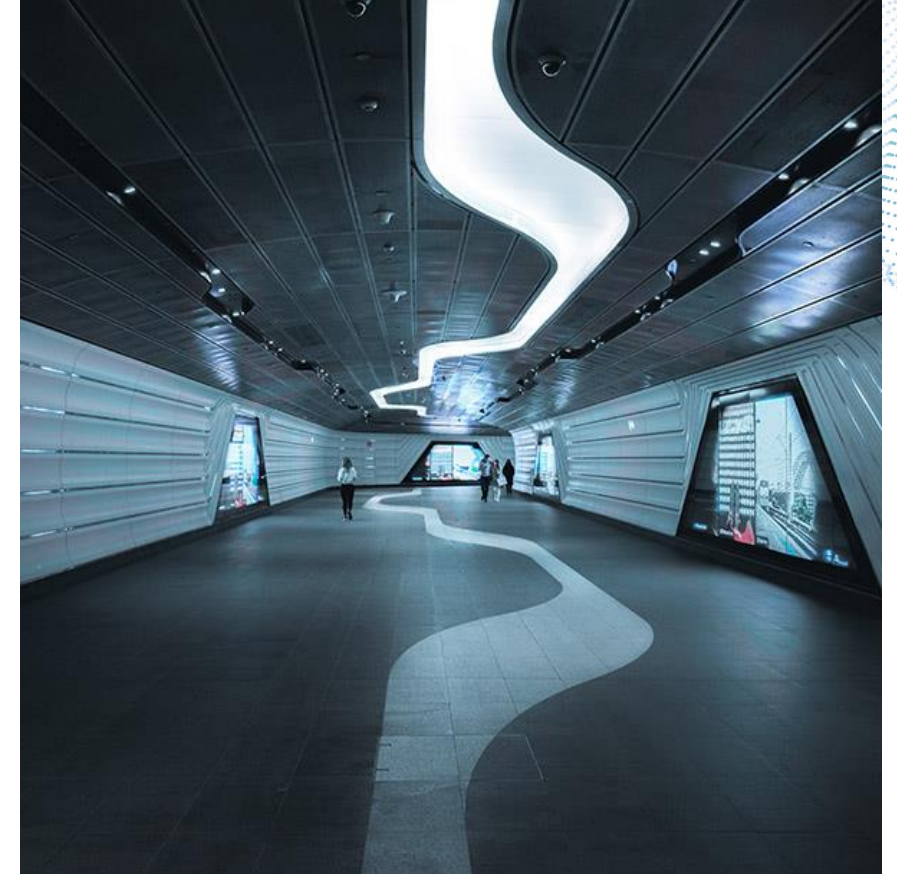
6 **Core Certification Exam Preparation**

Confidential | ©2021 Alteryx, Inc.

alteryx

Agenda

1 Exam Format – What to Expect

2 The Exam Environment

3 Preparing for the Exam

4 Tips for Practical Application Questions

5 Open Q&A

alteryx

Certification Offerings

Expert

Advanced

Core

Predictive Master

- Designer is required on your computer for Core and Advanced

- All certifications are valid for two years

- Each level recertifies the levels beneath it

- Each certification provides a badge on Community and a certificate

- Certificates are provided within 48 hours of a passing score

alteryx

CORE

=

COMPREHENSIVE

alteryx

OPEN BOOK
=
AWESOME

alteryx

EXAM FORMAT

Audience: Everyone!

Experience level: Beginner to Intermediate

Price: Free

Exam type: Online, on-demand

Time Allotted: 2 hours

Passing Score: 80%

References: Open Book

Prerequisites: none

Questions: 80

Question Types: 73 multiple choice questions, 7 practical application questions

Point Values: 1 pt for multiple choice, 3 points for practical application. Partial credit is awarded and deducted for multiple-response questions ("Select all that apply").

Attempts: 1 attempt every 7 days

Version: The exam tests on the latest version of Designer.

alteryx

Tools on the Exam

Browse

Input Data

Output Data

Text Input

DateTime

Text to Columns

Comment

Tool Container

Append Fields

Find Replace

Join

Union

Count Records

Cross Tab

Summarize

Transpose

Data Cleansing

Filter

Formula

Sample

Select

Select Records

Sort

Unique

alteryx

Question Types & Points

One Point Questions (73)

- Multiple Choice
  - One correct answer

- Multiple Select/Select All That Apply
  - At least two correct answers
  - At least one incorrect choice
  - Partial credit

- Matching
  - Partial credit

Three Point Questions (7)

- Practical Applications
  - Download a dataset
  - Build a workflow in Designer
  - Pick the one correct answer from the options

(73 * 1) + (7 * 3) = 94 * 0.80 = 75.2 points to pass

Scores are not rounded

alteryx

Common Questions on the Exam

What about this configuration will make the Join tool error?

Cor

W ill that apply.

Join (102) - Configuration

○ Join by Record Position

◉ Join by Specific Fields

	Left		Right	
1	Order Number ∨	⇐ ⇒	Order Number ∨	⊖
*	∨	⇐ ⇒	∨	

A) ation window toria

B) toria

C) hit

D)

Options ▾ ↑ ↓   TIP: To reorder multiple rows: select, right-click and c

	Input	Field	Type		Size	Rename	
☑	Left	Cost	Double	▾	8		
☑	Left	Order Number	V_WString	▾	5		
☑	Right	Customer ID	V_WString	▾	3		
☐	Right	Order Number	Int16	▾	2		
☐		*Unknown	Unknown	▾	0		

If th   "Use Dictionary
Ord

lue
toria
)
toria
3
hit
2
toria
4
hit
3
belle

alteryx

Questions by Category

One-Point Categories

- Browse/Results (5)
- Cross Tab & Transpose (5)
- Filter & Unique (6)
- Find Replace & Append Fields (4)
- Formula & Expressions (10)
- General (10)
- Input (5)
- Join & Union (8)
- Output (3)
- Parse (5)
- Select & Sample (4)
- Sort & Data Cleanse (4)
- Summarize (4)

Three-Point Categories

- Join Practical Application (1)
- Parse Practical Application (1)
- Transform Practical Application (2)
- Preparation Practical Application (3)

- **Randomly distributed from question banks**
- **Average ~ 1:15 per one-point question**
- **Average ~ 4 minutes per three-point question**

alteryx

The Exam Environment

alteryx

Accessing the Exam

The Alteryx Product Certification Program

Alteryx is thrilled to release its certification program! The Alteryx Certification Program allows you to receive credit for your knowledge and technical skills!

Posting exam questions before, during, or after the exam, or creating multiple Community accounts to circumvent the required seven day waiting period between attempts is a violation of the Alteryx Certification Policies. Read the Alteryx Certification Policies document for a full list of policies. Please note that you can change your time zone in your preference settings here.

Alteryx Designer Core

You're a pro!
Your **Alteryx Designer Core** certification
is good for 2 years, expiring on
12-09-2022 01:08 PM (US/Pacific)
Stay sharp with Alteryx and **re-certify**
once eligible to retake the test on
12-09-2021 01:08 PM (US/Pacific)

CERTIFIED! ★

Alteryx Designer Advanced

- Free
- 🏆 Advanced
- 🕐 2 Hours
- ❓ 44 Questions
- ☰ Prep Guide

TAKE EXAM ⓘ

Alteryx Designer Expert

- USD 150
- 🏆 Expert
- 🕐 3 Hours
- ❓ 7 Questions
- ☰ Prep & User Guide

REGISTER ⓘ

alteryx

Personal Info and Policies

Alteryx Designer Core

First name

Last name

Email address

Community User ID

A valid Community User ID is required to obtain the Community badge for this exam. Your User ID is displayed in the upper right hand corner of the page when logged into the Community (http://community.alteryx.com).

By selecting **Start** and taking the exam you are agreeing to the Alteryx Certification Policies and:

☐ Confirm that you have not created multiple Community accounts or circumvented the required waiting period between exam attempts

☐ Understand that violation of the Alteryx Certification Policies may result in revocation of any existing certifications and exclusion from participating in future Alteryx Certification exams or programs.

Start ▶

Alteryx Designer Core

Instructions:

- Number of questions: **80**
- Has a time limit of: **02:00:00**
- Must be finished in one sitting. You cannot save and finish later.
- Questions displayed per page: **1**
- Will allow you to go back and change your answers.
- Will let you finish with some questions unattempted if you are not sure of an answer.
- Has a pass mark of: **80%**

Continue ▶

alteryx

Exam Interface

Alteryx Designer Core

≡ See all questions

⊘ Time left: 1:59:14

👤 Eric Roy

🔖

Question 2 of 80

Points: 1

Which statements about the Filter tool are correct? Select all that apply.

☐ A) The Basic Filter allows for querying against multiple fields.

☐ B)

☐ C)

☐ D)

Clear selection

◄ Previous   Next ►

alteryx

Exam Interface

Confidential | ©2021 Alteryx, Inc.

alteryx

Results Email

Results for: Eric Roy

Test:	Alteryx Designer Core
Percentage:	0%
Duration:	00:09:34
Date started:	Fri 26 Mar 2021 09:41
Date finished:	Fri 26 Mar 2021 09:51

Category	Percentage
Browse / Results	0%
Cross Tab & Transpose	0%
Filter & Unique	0%
Find Replace & Append Fields	0%

alteryx

Exam Tips

1 Use all two hours

2 Pace yourself

3 Use the bookmark feature

4 Have your resources ready before the test begins

5 If you are unsuccessful, use your results to prepare for the next attempt

alteryx

MOST IMPORTANT TIP
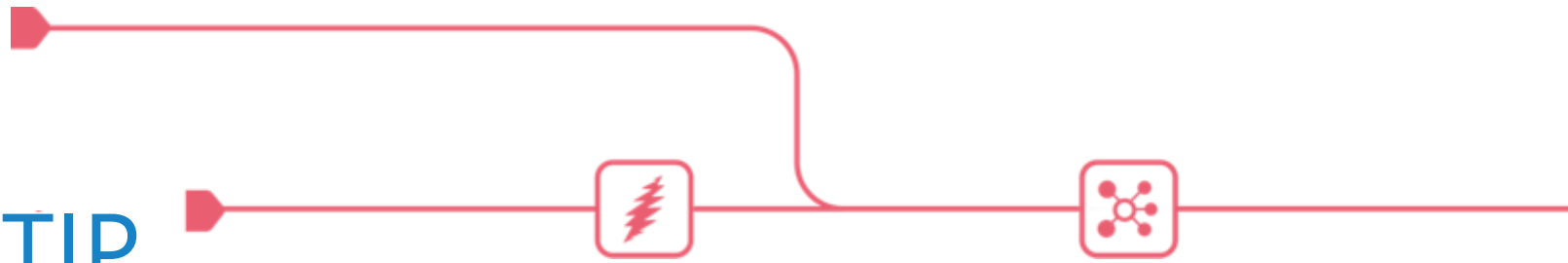
- You can take the test as many times as necessary

- The number of attempts is not reported

alteryx

Preparing for the Exam

alteryx

Getting Started Learning Path

Alteryx Academy

- Curated curriculum that covers a majority of the content on the exam

- Interactive lessons, articles, practice drills, and application problems

GETTING STARTED

~15 HRS

Getting Started Learning Path

Turn up the volume on your learning! With this prescriptive curriculum, you'll learn the fundamentals of working in Designer.

| Getting Started |
| Using Designer |
| Benefits of Designer |
| Input Data |
| Text Input |
| Datatypes |
| Select |
| Browse |
| Filter |
| Sort |
| Sample |
| Practice Exercise 1 |
| Text to Columns |
| Unique |
| Union |
| Join |
| Practice Exercise 2 |
| DateTime |
| Rows vs Columns |
| Functions & Expression Editor |
| Formula |
| Function Types |
| Summarize |
| Practice Exercise 3 |
| Transpose & Cross Tab |
| Find Replace |
| Append Fields |
| Output Data |
| Practice Exercise 4 |
| Capstone Project |

LEARNING ALTERYX DESIGNER

GET READY FOR A LEARNING EXPERIENCE THAT IS...

⊞ PURPOSEFULLY PRESCRIBED

Each section has been organized to facilitate the learning of tools and concepts that lead into a practice exercise. You are welcome to freely explore the curriculum outlined in the navigation menu, but we recommend you follow our path.

⊞ HANDS-ON

Hands down, learning must be hands-on! You'll want a licensed version of Designer available to complete drills (Try-Its), build workflows, and solve problems as part of this curriculum.

⊞ DESIGNED WITH YOU IN MIND

Select a Learning Path whose contextual examples will help you draw relevant connections to your work and expertise.

alteryx

Weekly Challenges
Alteryx Academy

- Over 260 challenges with solutions

- Start with the beginner level exercises

- Focus on data preparation, data cleansing, and data analysis

- Utilize posted solutions

alteryx

Core Exam Prep Guide and Practice Test
Alteryx Academy

- Available from the Certification Page

- Detailed descriptions of the exam, topics, and links to help resources

- Practice exam questions with descriptions

Which tool would be used to create the following output? (1pt)

ID	Column A	Column B
1	Bruno	Nelson
2	Tara	Mathias
3	Maxine	Cameron

ID	Column A	Column B
4	Maxine	Nathaly
5	Bruno	Maxine
6	Mathias	Hilary

?

A	B	A1	B1
Bruno	Nelson	Bruno	Maxine
Maxine	Cameron	Maxine	Nathaly

A) Formula
B) Union
C) Join
D) Append Fields

Question 2) C.
This question tests your ability to differentiate the functionality of 3 tools in the Join palette. You can see in the output that the two data sets have been joined, which allows you to eliminate option A. The Union tool joins data by stacking records, so option B can be eliminated. The Append Fields tool joins records from the source input to every record in the target input. In this case, the output data set would have 9 records, so it's safe to eliminate option D. The Join tool would blend the two input data sets to create the output data by joining on Column A.

cation Exam Prep Guide

Core Certification Exam Prep

Core Cert Practice Test

Get a feel for the questions on the exam and test out your analytic superpowers.

n, t
tly
edd
wh

alteryx

Help Documentation

Help.Alteryx.com/current/designer

- Technical documentation for the tools and functionalities of Designer

- Explanations of configurations

- Examples

Home

Sample Tool ara

Version: Current

Last modified: December 24, 2020

Get Started ▼

Workflows ▼

Apps and Macros ▼

Tools ▲

  Tool Configuration

Sort Tool >

This tool arranges
records in a table
alphanumeric ord
on the values of d

Configure the Tool

1. Select the type of sample. The options are...

- **First N rows**: Returns every row in the data from the beginning of the data through row N.

- **Last N rows**: Starting from the row that is N rows away from the end of the data, returns every row through to the end of the data.

- **Skip 1st N rows**: Returns all rows in the data starting after row N.

- **1 of every N rows**: Returns the first row of every group of N rows.

- **1 in N chance to include each row**: Randomly determines if each row is included in the sample, independent of the inclusion of any other rows. This method of selection results in N being an approximation.

> **NOTE**
>
> If you have 1,000 rows, select a random sample, and specify N as 10, you might expect to get 100 rows returned. However, you might get anywhere between 75 and 150 records returned.

alteryx

One Tool Examples

Designer

- Click on the Open Example link under a tool to get the One Tool Example

- Examples of different configurations with explanations

- Sandbox

Confidential | ©2021 Alteryx, Inc.

alteryx
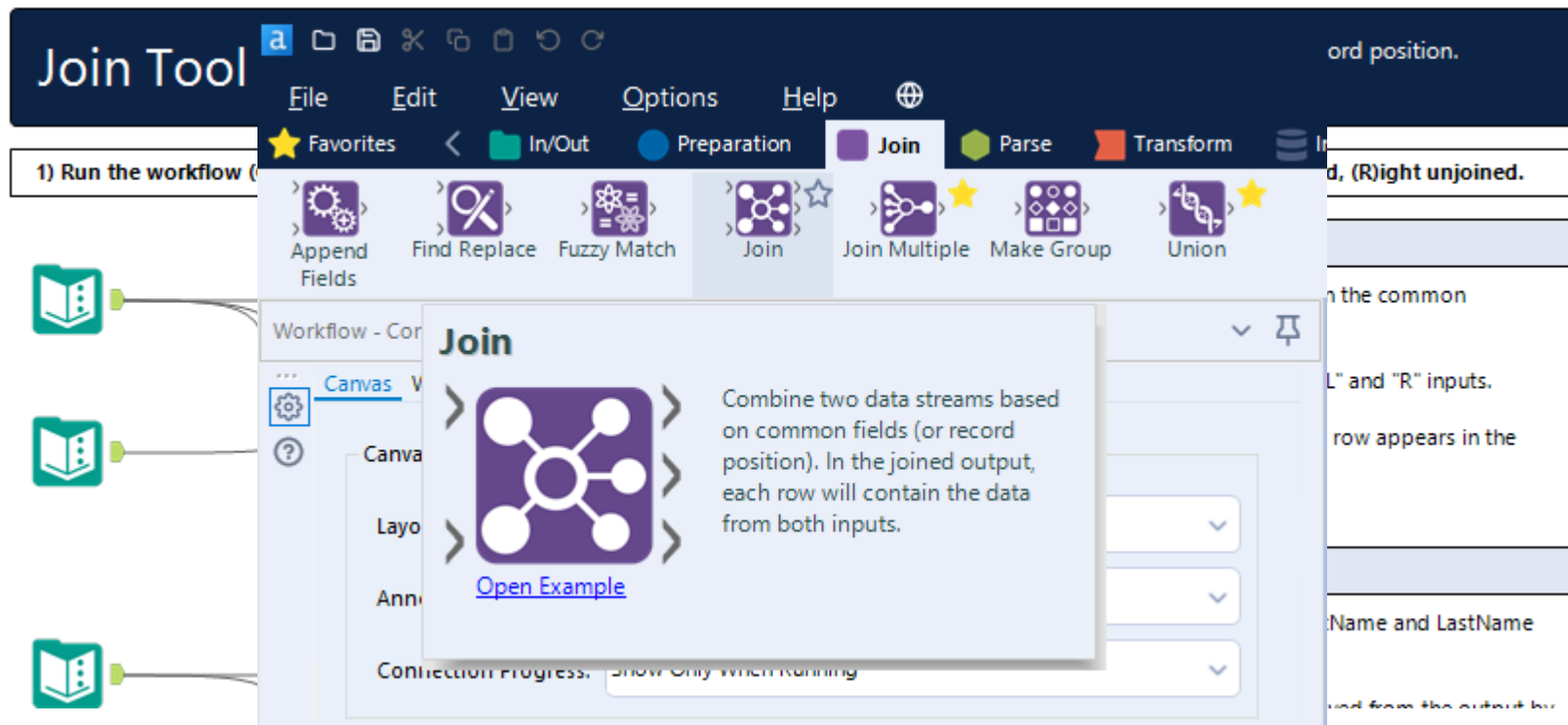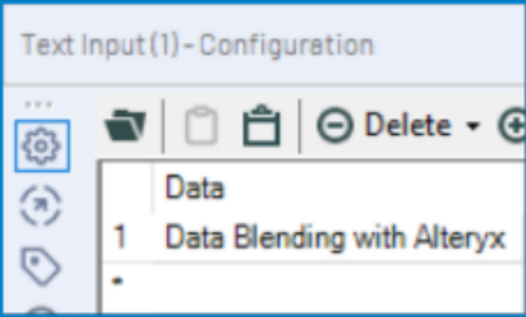
Take the Test

- The best practice for the test is the test itself.

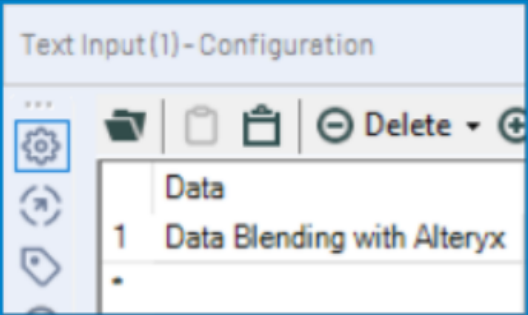# Question 1

What is the result of this formula?

(assume no leading or trailing spaces):

Text Input tool configuration:

Text Input (1) - Configuration

⚙ | 📁 □ 📋 | ⊖ Delete ▾ | ⊕

	Data
1	Data Blending with Alteryx
•	

Contains the expression:
FindString([Data], "B")

1. **4**

2. **7**

3. **5**

4. **6**

alteryx

HOW TO GET THE ANSWER IN DESIGNER

Question 1

What is the result of this formula?

(assume no leading or trailing spaces):

Text Input tool configuration:

Text Input (1) - Configuration

Delete

	Data
1	Data Blending with Alteryx
•	

Contains the expression:
FindString([Data], "B")

1. **4**
2. **7**
3. **5**
4. **6**

alteryx

Question 2

Which tool would be used to create the following output?

1. **Append Fields**
2. **Join**
3. **Formula**
4. **Union**

Confidential | ©2021 Alteryx, Inc.

alteryx

HOW TO GET THE ANSWER IN DESIGNER

alteryx

Question 2

Which tool would be used to create the following output?

1. **Append Fields**
2. **Join**
3. **Formula**
4. **Union**

Question 3
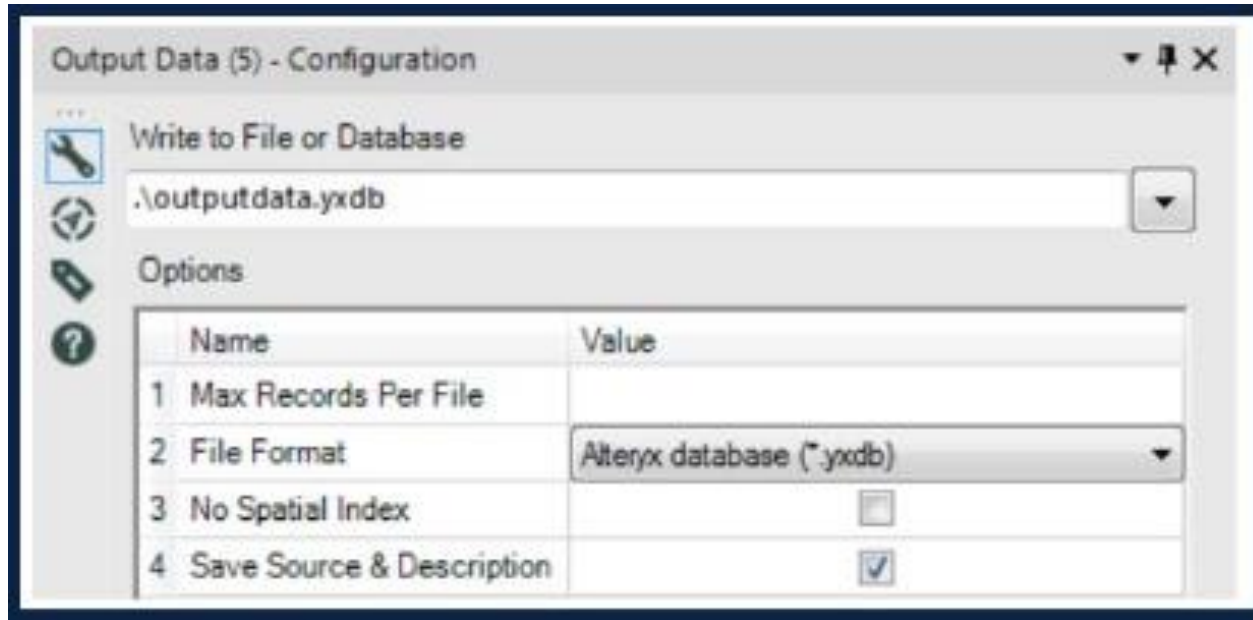
Where will this outputdata.yxdb file be saved?

1. **You'll get an error**

2. **In the parent folder of the workflow**

3. **On the desktop**

4. **Same folder where the workflow is saved**

Confidential | ©2021 Alteryx, Inc.

alteryx

HOW TO GET THE ANSWER IN DESIGNER

alteryx

Question 3

Where will this outputdata.yxdb file be saved?

1. **You'll get an error**

2. **In the parent folder of the workflow**

3. **On the desktop**

4. **Same folder where the workflow is saved**
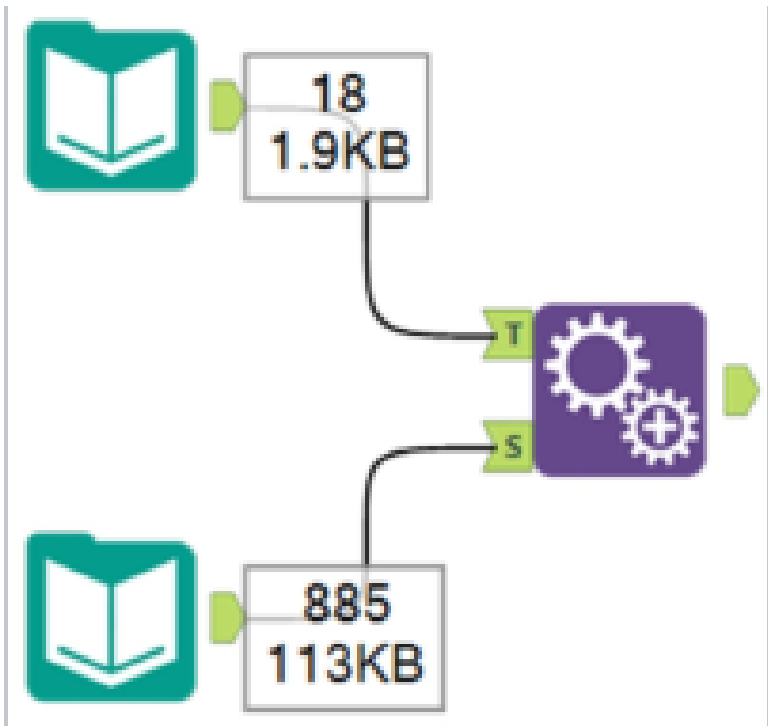
alteryx

Question 4

True or False

- When configuring the Transpose tool, you can select multiple data fields but only one key field

1. **True**

2. **False**

alteryx

HOW TO GET THE ANSWER IN DESIGNER

alteryx

Question 4

True or False

- When configuring the Transpose tool, you can select multiple data fields but only one key field

1. **True**
2. **False**

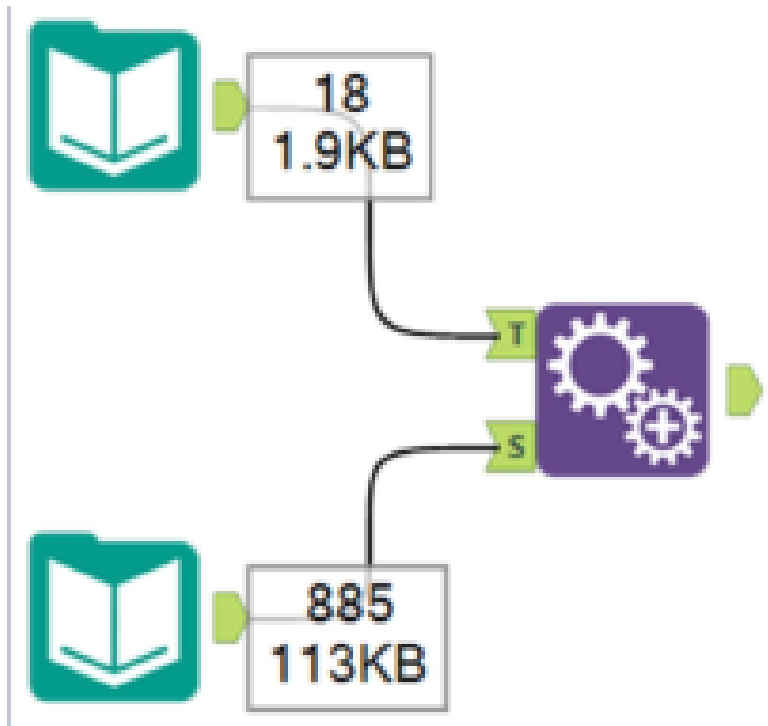alteryx

Question 5

How many rows will be output from the Append Fields tool below if set to allow all appends?

1. **1550**

2. **15930**

3. **835**

4. **18**

alteryx

Question 6

What is the Alteryx file type for each file extension?

- 1. yxmd
- 2. yxwz
- 3. yxmc
- 4. yxft
- 5. yxdb
- 6. yxzp
- 7. yxi

alteryx

Question 6

What is the Alteryx file type for each file extension?

- 1. yxmd – Workflow

- 2. yxwz – Analytic App

- 3. yxmc – Macro

- 4. yxft – Field Types

- 5. yxdb – Database

- 6. yxzp – Packaged Workflow

- 7. yxi – Packaged Tool

alteryx

Question 7

In the Input Data tool, what is the symbol for 'no delimiter'

- 1. \^

- 2. \n

- 3. \nd

- 4. \

- 5. [blank]

- 6. \!

- 7. \0

alteryx

Question 7

In the Input Data tool, what is the symbol for 'no delimiter'

- 1. \^
- 2. \n
- 3. \nd
- 4. \
- 5. [blank]
- 6. \!
- 7. \0

alteryx

Question 8

Which workflow(s) will generate the desired output?

- You are given a table of numbers and asked to calculate the average value of all the numbers. The desired output should have a column where the average value of all the numbers is stored per row, as shown below.

Number
1
2
3
4
5

Number	Average
1	3
2	3
3	3
4	3
5	3

1.

2.

3.

4.

Average = Average ([Number])

alteryx

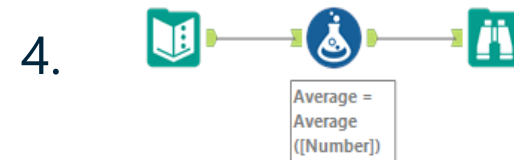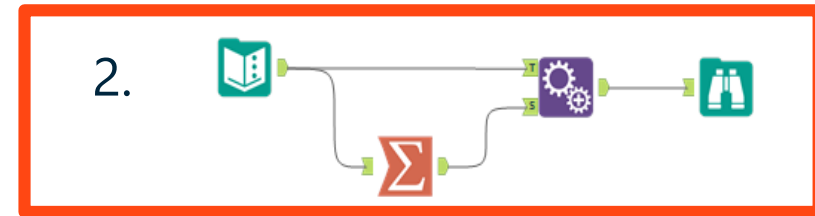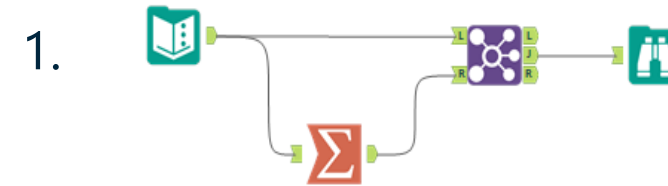# HOW TO GET THE ANSWER IN DESIGNER

alteryx

Question 8

Which workflow(s) will generate the desired output?

- You are given a table of numbers and asked to calculate the average value of all the numbers. The desired output should have a column where the average value of all the numbers is stored per row, as shown below.

Number
1
2
3
4
5

Number	Average
1	3
2	3
3	3
4	3
5	3

1.

2.

3.

4.

Average = Average ([Number])

Question 9

Which workflow(s) will generate the desired output?

- Using the provided data file, what is the average sale amount for corporate customers?

  – Question 9 Data.xlsx

1. $982.12

2. $189.77

3. $938.88

4. $951.49

alteryx

HOW TO GET THE ANSWER IN DESIGNER

alteryx

Question 9

Which workflow(s) will generate the desired output?

- Using the provided data file, what is the average sale amount for corporate customers?

  – Question 9 Data.xlsx

1. $982.12

2. $189.77

3. $938.88

4. $951.49

alteryx

Practical Application

A few additional tips:

- Make sure Alteryx Designer is open

- Use one tool examples to prepare

- Weekly challenges on Alteryx Academy

- Take the exam – you will learn new things!

alteryx

alteryx

Thank you