

Here, I am doing a very simple and easy project through this. I recommend I watch these beginner videos before doing this project if I don't know much about Alteryx.

Link for tutorials:https://ltu.be/e_O5D8rkmqM?si=1V4qNcQIW3ZnO8s7

Link for Alteryx Installing:<https://ltu.be/GzGVlgp6Teg?si=uFC6HHfsWIJEN4OZ>

Aim Question: Find out the customer who bought the price of 20.

<p>1. Data Importing</p>	<ul style="list-style-type: none">• Open Alteryx Designer and create a new workflow.• In the workflow canvas, find the "Input Data" tool from the tool palette on the left. It's typically located in the "Connectors" section.• Click and drag the "Input Data" tool to the canvas.• With the "Input Data" tool selected on the canvas, configure it by double-clicking on it. This will open the configuration window.• In the configuration window, choose the source type (Excel). I will have the option to browse and select Excel files.• Once I've selected an Excel file, Alteryx will usually display a list of sheets in that file. Select the three sheets - "customers," "products," and "sales transactions" that I want to import.• Configure any other settings I need, such as specifying data types and handling headers, as per the data requirements.• Click "OK" to close the configuration window.
--------------------------	---

	<ul style="list-style-type: none"> ■ Now, I have successfully added the Input Data tool to Ir workflow and connected the three sheets from Ir Excel file. I can proceed to perform further data processing steps such as joining, cleaning, filtering, and report creation in Ir Alteryx workflow.
2. joining Data	<ul style="list-style-type: none"> ■ Joining Data - First Phase: ■ I used a Join tool to merge the "customers" to the L anchor and "products" to the R anchor. ■ Joining Data - Second Phase: ■ In a new Join tool, I connected the J anchor from the first Join tool (which contains the combined "customers" and "products" data) to the L anchor. ■ Then, I connected the "sales transactions" to the R anchor of this second Join tool.
3. Data cleaning	<ul style="list-style-type: none"> ■ I used the Select tool to manage the fields and then connected it to the J anchor of the second Join tool. This allows it to work with the combined data. ■ Next, I connected the Data Cleansing tool to the Select tool. In the Data Cleansing tool, I performed actions such as removing nulls and unwanted characters.
4. Data filtering	<ul style="list-style-type: none"> ● I connected the Filter tool to the Data Cleansing tool and configured it to filter data where the "price" equals 20.

Alteryx Designer x64 - New Workflow1.yxmd*

File Edit View Options Help

Search for tools, help, and resources...

Favorites Recommended In/Out Preparation Join Parse Transform In-Database Reporting Documentation Spatial Machine Learning Text Mining Computer Vision Interface Data Investigation

Arrange Count Records Cross Tab Running Total Summarize Transpose Weighted Average

Filter (11) - Configuration

Select Basic or Custom Filter

☒ Basic filter

Price = 20

☐ Custom filter

f_x [Price] = 20

New Workflow1.yxmd*

Workflow diagram showing three input queries (Customer, Products, Sales Transactions) joined together, followed by a filter tool (Filter (11)) and a final output tool (T).

Results - Filter (11) - Out - True

17 of 17 Fields | Cell Viewer | 1 record displayed

Record	CustomerID	FirstName	LastName	Email	Phone	Address	ProductID	ProductName	Category	Price
1	7	Lisa	Garcia	lisa.garcia@email.com	(888) 777-6666	852 Willow St, City C	7	T-shirt	Clothing	20