

AUTOMATIC AND CUSTOM SPLIT

We might have some string fields in the data source that contain multiple units of information.

For example, we might have a full **Customer Name**.

It might be easier to analyze the data if we split the values in that field into separate fields i.e. **First Name** and **Last Name**.

We can use **split** or **custom split** options in Tableau to separate the values based on a **separator** or a **repeated pattern of values** present in each row of the field.

The **new fields** created by the **split** or **custom split** are added to the data source as **calculated fields**.

Splits and custom splits are based on the **SPLIT string function**.

AUTOMATIC AND CUSTOM SPLIT

Split fields automatically:

A string field can be **split automatically** based on a common separator that Tableau detects in the field.

Depending on the connection type, a split can automatically separate a field's values in up to ten new fields.

The data type of the new fields generated by the split can vary depending on the pattern combination that Tableau detects in the separator that is used to split the original field.

AUTOMATIC AND CUSTOM SPLIT

Custom split:

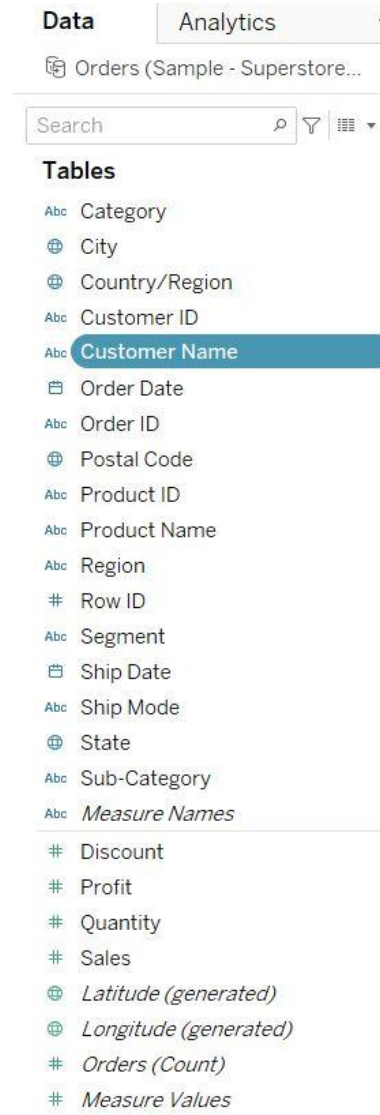
The **custom split** option can be used to specify a common separator for the split. Like the split option, a custom split can separate a field's values in up to ten new fields.

In addition, we can choose to **split the values at the first n occurrences** of the separator, **the last n occurrences of the separator**, or at all **occurrences of the separator**.

The data type of the new fields generated by the custom split always results in a string data type.

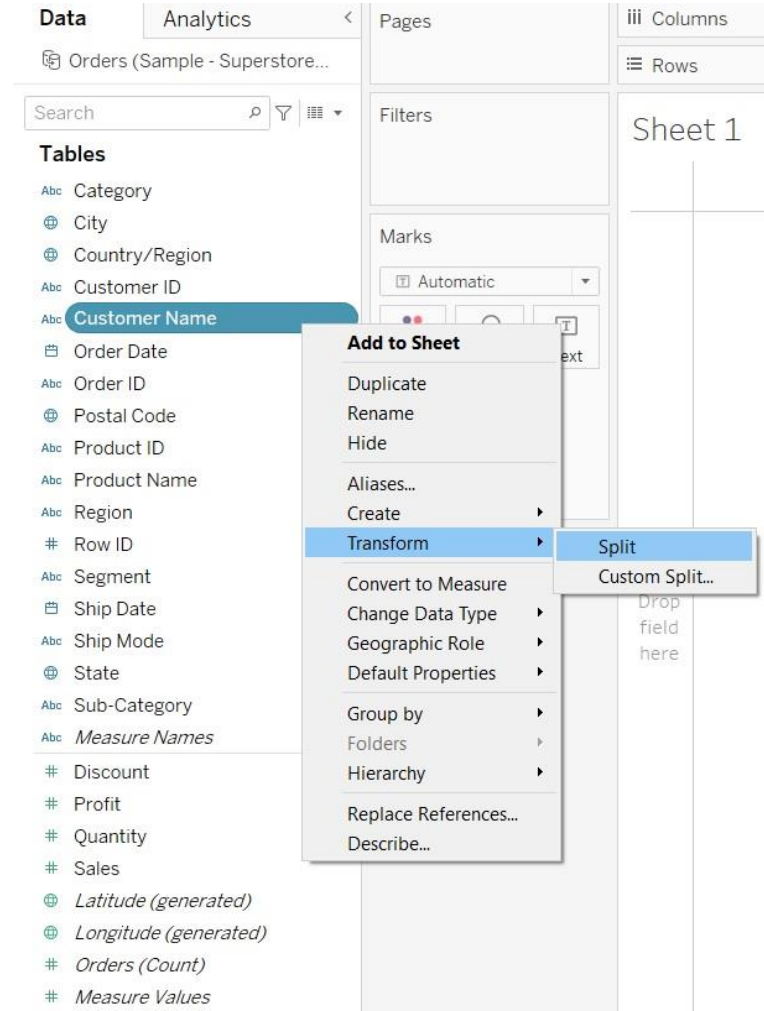
STEPS TO CREATE AN AUTOMATIC SPLIT

Step 1: Go to the worksheet and select the field i.e., **Customer Name** to be split



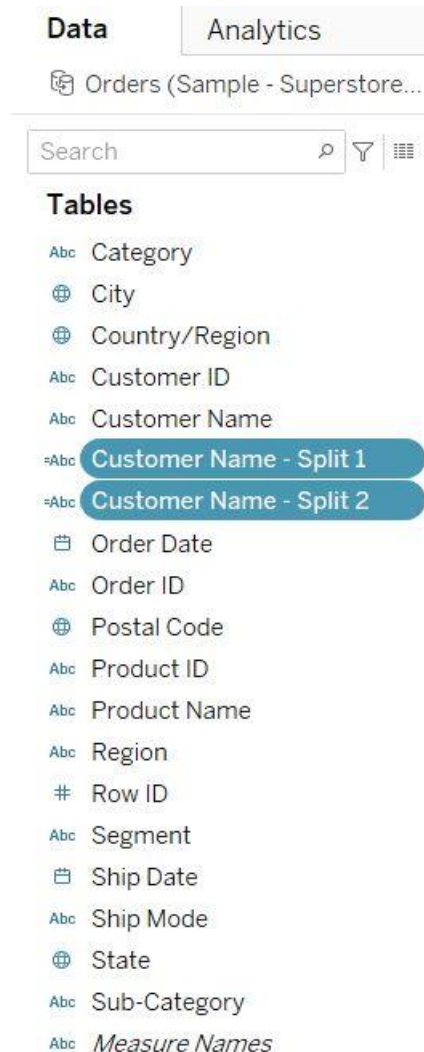
STEPS TO CREATE AN AUTOMATIC SPLIT

Step 2: Right-click the field i.e., **Customer Name**, Transform > Split



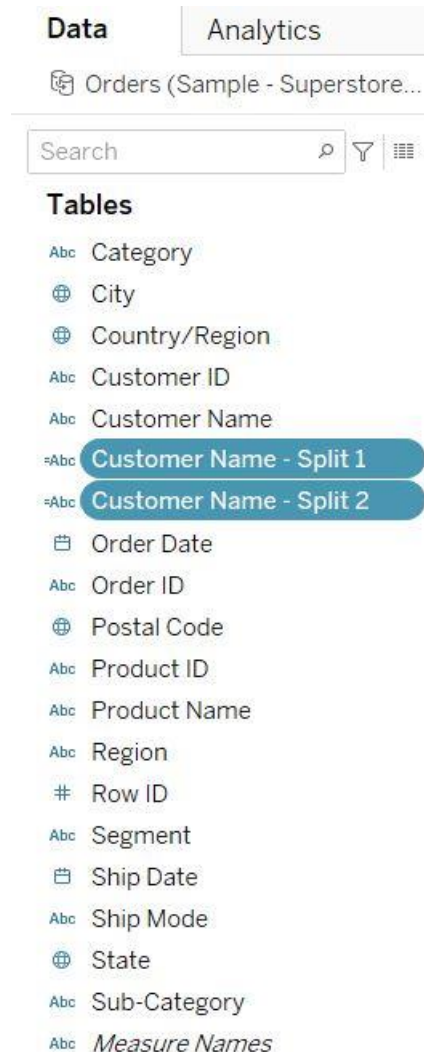
STEPS TO CREATE AN AUTOMATIC SPLIT

Step 3: The new fields created by the split will now be visible in Data Pane as Calculated Fields



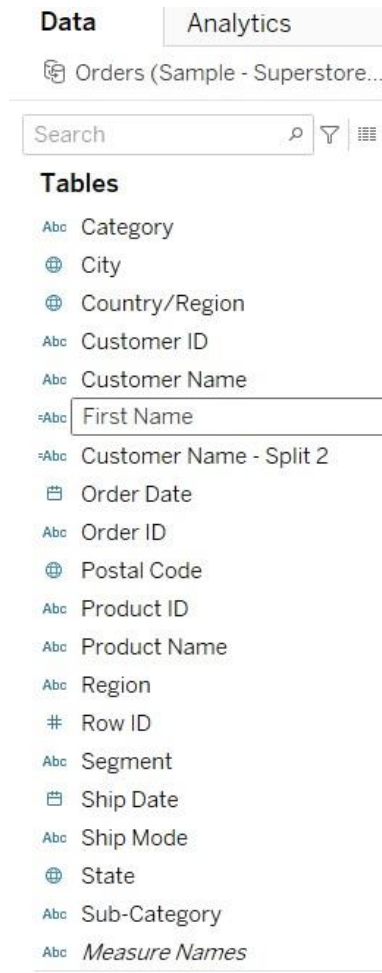
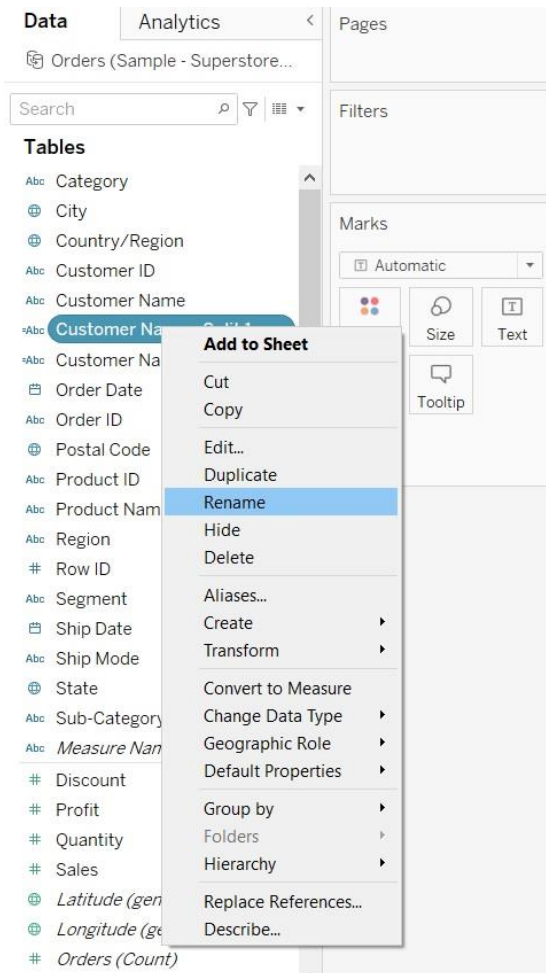
STEPS TO CREATE AN AUTOMATIC SPLIT

Step 3: The new fields created by the split will now be visible in Data Pane as Calculated Fields



STEPS TO CREATE AN AUTOMATIC SPLIT

Step 4: If required the new fields can be renamed. Right-click the field, **Rename**



STEPS TO CREATE AN AUTOMATIC SPLIT

Step 5: To confirm if split was done correctly drag and drop the **Customer Name**, **First Name** and **Last Name** to the **Rows** shelf

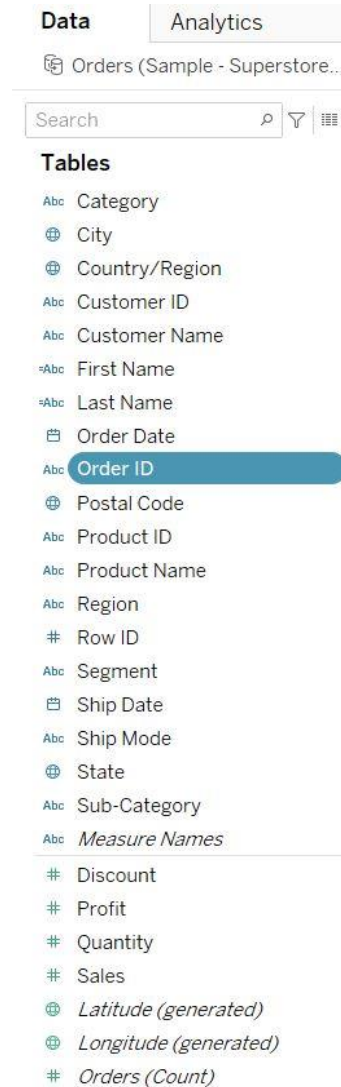
iii Columns	
Rows	Customer Name First Name Last Name

Automatic Split

Customer Name	First Name	Last Name	
Aaron Bergman	Aaron	Bergman	Abc
Aaron Hawkins	Aaron	Hawkins	Abc
Aaron Smayling	Aaron	Smayling	Abc
Adam Bellavance	Adam	Bellavance	Abc
Adam Hart	Adam	Hart	Abc
Adam Shillingsburg	Adam	Shillingsburg	Abc
Adrian Barton	Adrian	Barton	Abc
Adrian Hane	Adrian	Hane	Abc
Adrian Shami	Adrian	Shami	Abc
Aimee Bixby	Aimee	Bixby	Abc
Alan Barnes	Alan	Barnes	Abc
Alan Dominguez	Alan	Dominguez	Abc
Alan Haines	Alan	Haines	Abc
Alan Hwang	Alan	Hwang	Abc
Alan Schoenberger	Alan	Schoenberger	Abc
Alan Shonely	Alan	Shonely	Abc
Alejandro Ballentine	Alejandro	Ballentine	Abc
Alejandro Grove	Alejandro	Grove	Abc
Alejandro Savely	Alejandro	Savely	Abc
Aleksandra Gannaw..	Aleksandra	Gannaway	Abc
Alex Avila	Alex	Avila	Abc
Alex Grayson	Alex	Grayson	Abc
Alex Russell	Alex	Russell	Abc
Alice McCarthy	Alice	McCarthy	Abc
Allen Arnold	Allen	Arnold	Abc
Allen Goldenen	Allen	Goldenen	Abc
Allen Rosenblatt	Allen	Rosenblatt	Abc
Alyssa Crouse	Alyssa	Crouse	Abc
Alyssa Tate	Alyssa	Tate	Abc
Amy Cox	Amy	Cox	Abc
Amy Hunt	Amy	Hunt	Abc
Andrew Allen	Andrew	Allen	Abc

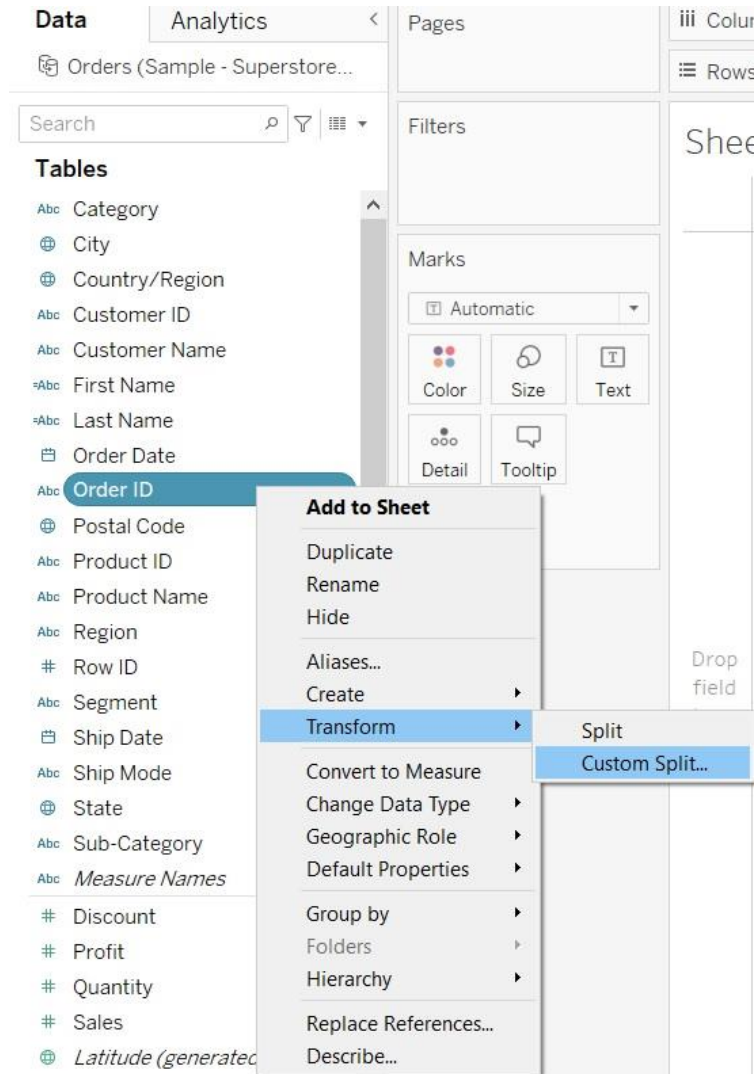
STEPS TO CREATE A CUSTOM SPLIT

Step 1: Go to the worksheet and select the field i.e., **Order ID** to be split



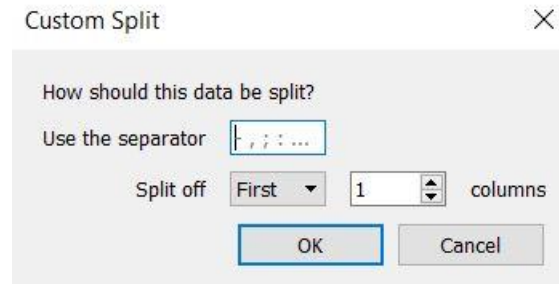
STEPS TO CREATE A CUSTOM SPLIT

Step 2: Right-click the field i.e., **Order ID**, **Transform** > **Custom Split**



STEPS TO CREATE A CUSTOM SPLIT

Step 3: The **Custom Split** dialog box will appear



STEPS TO CREATE A CUSTOM SPLIT

Step 4: Enter the separator as “-” in the **Use the separator**

Custom Split ✕

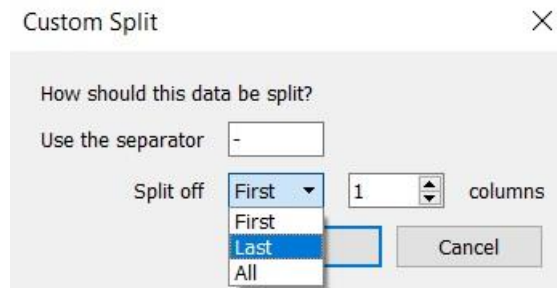
How should this data be split?

Use the separator

Split off

STEPS TO CREATE A CUSTOM SPLIT

Step 5: Select the **Last** from the drop-down for **Split off**



STEPS TO CREATE A CUSTOM SPLIT

Step 6: Click **OK**

Custom Split ×

How should this data be split?

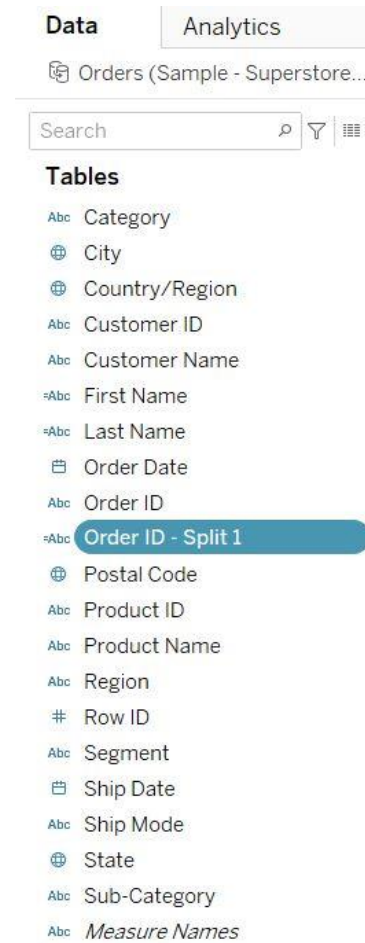
Use the separator

Split off Last ▾ columns

OK Cancel

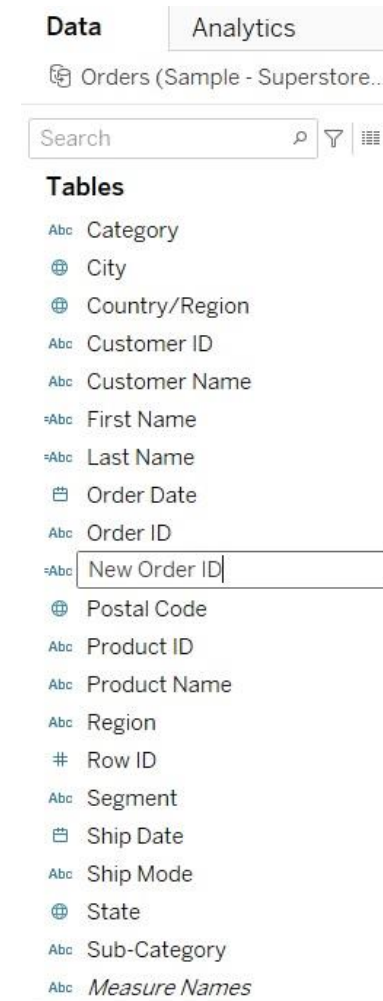
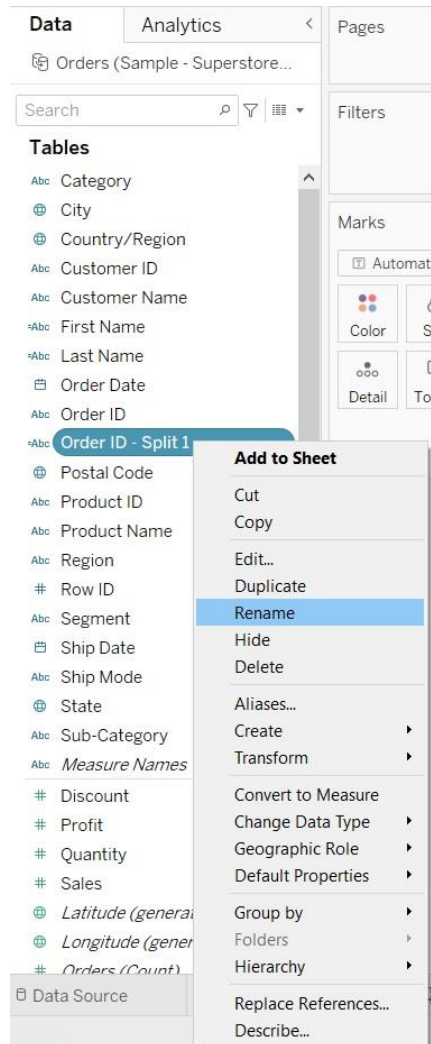
STEPS TO CREATE A CUSTOM SPLIT

Step 7: The new field created by the custom split will now be visible in Data Pane as Calculated Field



STEPS TO CREATE A CUSTOM SPLIT

Step 8: If required the new field can be renamed.
Right-click the field, **Rename**



STEPS TO CREATE A CUSTOM SPLIT

Step 9: To confirm if split was done correctly drag and drop the **Order ID** & **New Order ID** to the **Rows** shelf

Columns		
Rows		
Order ID		
New Order ID		
Custom Split		
Order ID	New Order ID	
CA-2018-100006	100006	Abc
CA-2018-100090	100090	Abc
CA-2018-100293	100293	Abc
CA-2018-100328	100328	Abc
CA-2018-100363	100363	Abc
CA-2018-100391	100391	Abc
CA-2018-100678	100678	Abc
CA-2018-100706	100706	Abc
CA-2018-100762	100762	Abc
CA-2018-100860	100860	Abc
CA-2018-100867	100867	Abc
CA-2018-100881	100881	Abc
CA-2018-100895	100895	Abc
CA-2018-100916	100916	Abc
CA-2018-100972	100972	Abc
CA-2018-101147	101147	Abc
CA-2018-101175	101175	Abc
CA-2018-101266	101266	Abc
CA-2018-101364	101364	Abc
CA-2018-101392	101392	Abc
CA-2018-101427	101427	Abc
CA-2018-101462	101462	Abc
CA-2018-101476	101476	Abc
CA-2018-101560	101560	Abc
CA-2018-101602	101602	Abc
CA-2018-101770	101770	Abc
CA-2018-101833	101833	Abc
CA-2018-101931	101931	Abc
CA-2018-102008	102008	Abc
CA-2018-102085	102085	Abc
CA-2018-102274	102274	Abc
CA-2018-102295	102295	Abc
CA-2018-102330	102330	Abc