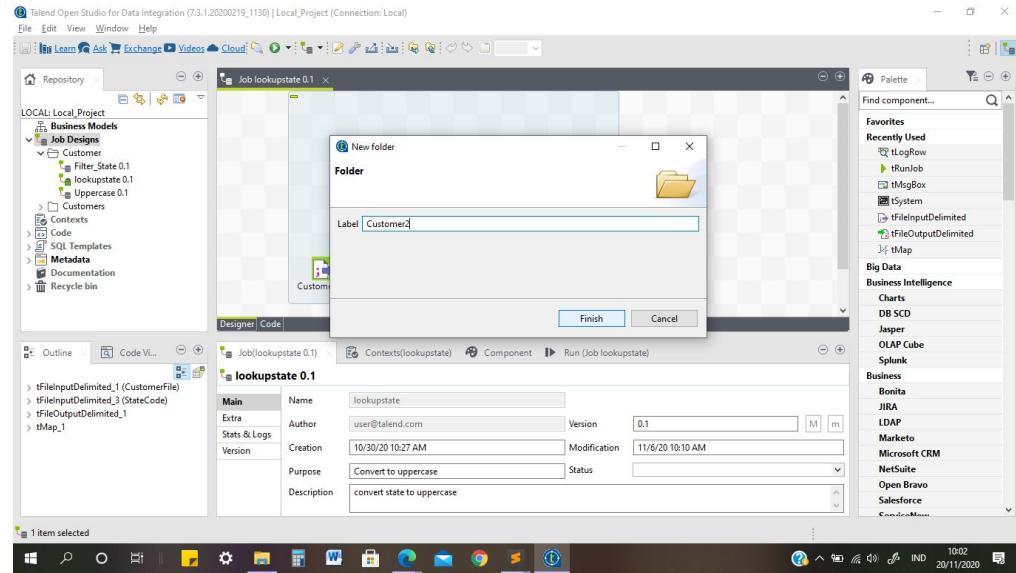
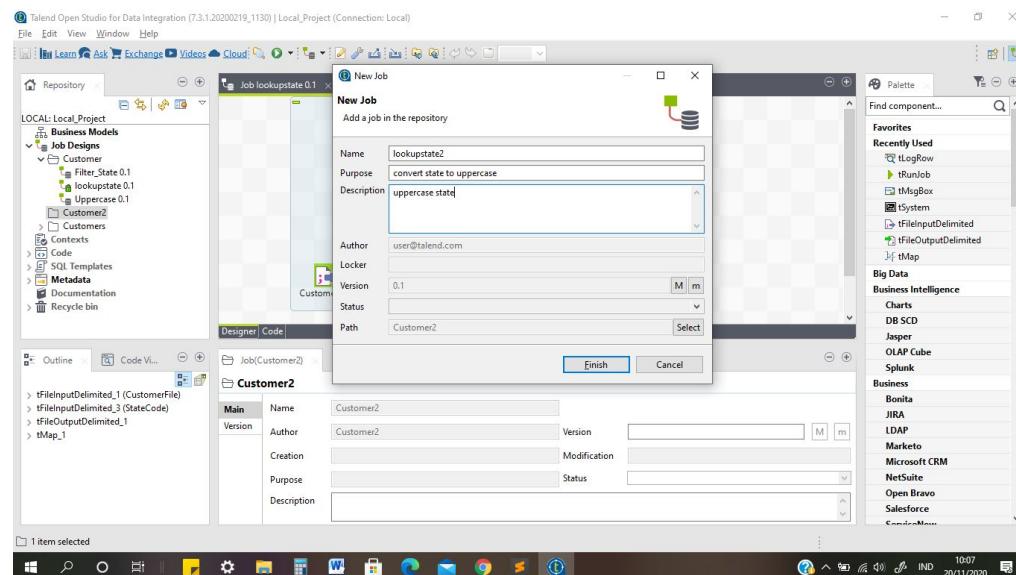


1. Gunakan Data Set Cust.csv, State.txt. Lakukan penggabungan data set tersebut, buat indentitas untuk kode state. Contoh: NY | New York
 2. Gunakan Data Set Cust.csv, State.txt. Lakukan filtering untuk memisahkan 3 State yang ada pada data set tersebut. (CA NY dan AK)
- Jawab:

Buka aplikasi Talend, klik start now, kemudian klik kanan bagian Job Designs
-> create folder dengan nama Customer2.



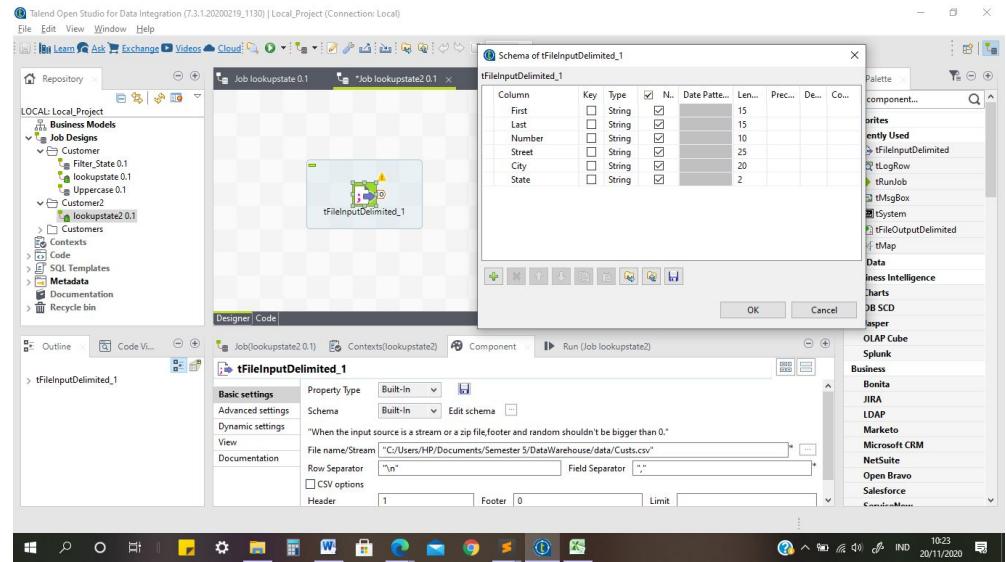
1. Kemudian bagian folder Customer klik kanan->create job->isi name lookupstate2



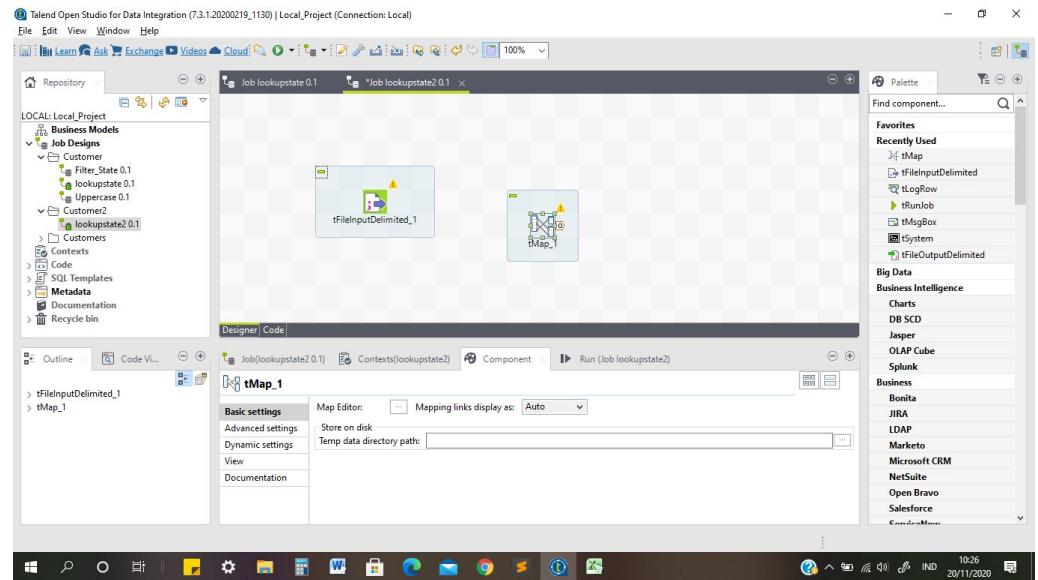
2. lakukan pseyetaraan penggunaan huruf besar semua untuk nama nama kota.

- dibagian palette seacrh TfileinputDelimited->drag n drop ke worksheet.
- klik TfileinputDelimited dan dibagian component ubah Edit schema isi data berupa atribut nama dan length sesuai dengan data pada Custo.csv.
- dibagian file name pilih tempat dimana data input tersimpan.

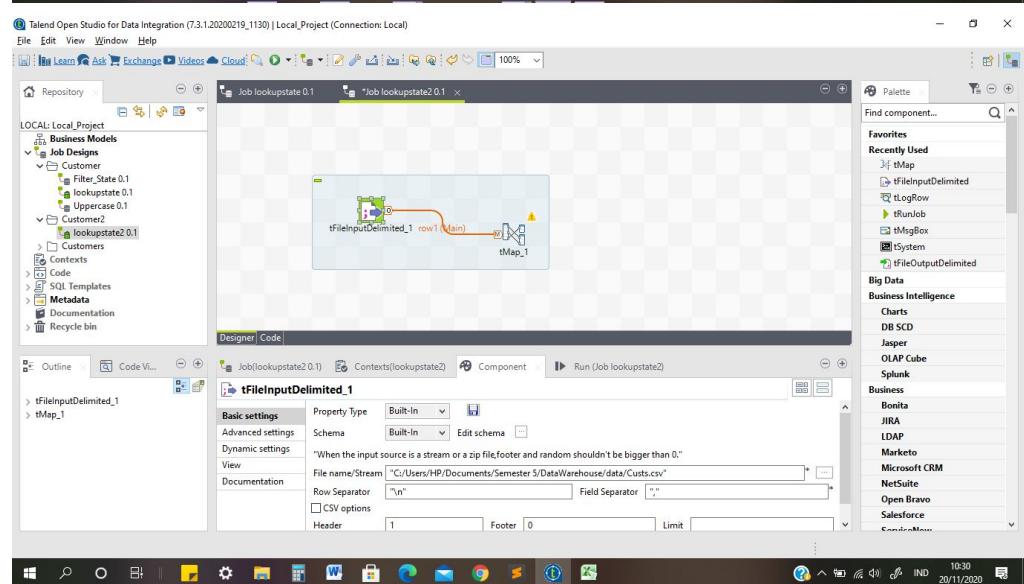
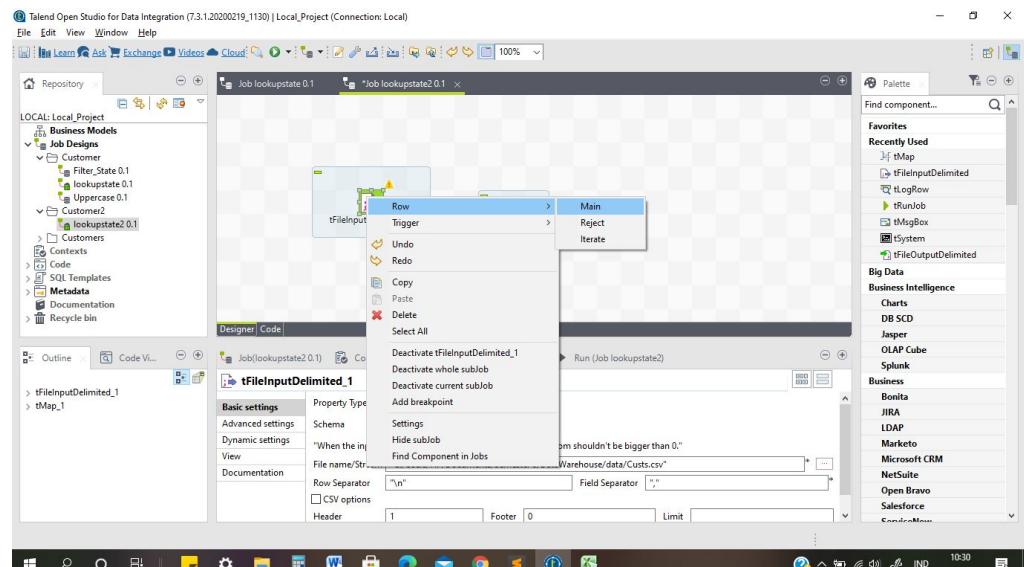
- ubah Field Separator menjadi “,”.
- ubah Header menjadi 1.
- lakukan Edit Schema seperti berikut:



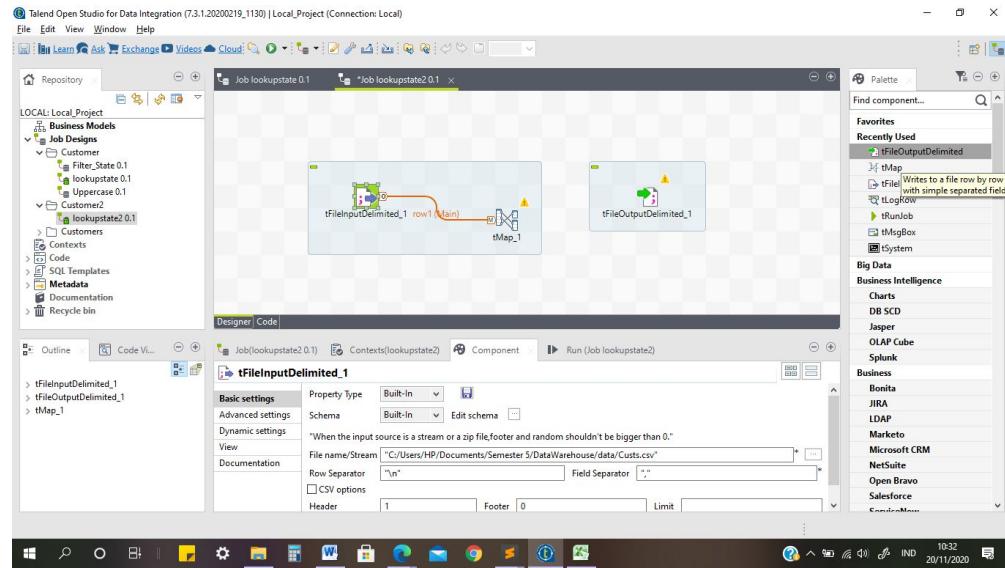
3. kemudian dibagian palette search Tmap untuk pemprosesan data nama kota menjadi uppercase drag n drop ke worksheet :



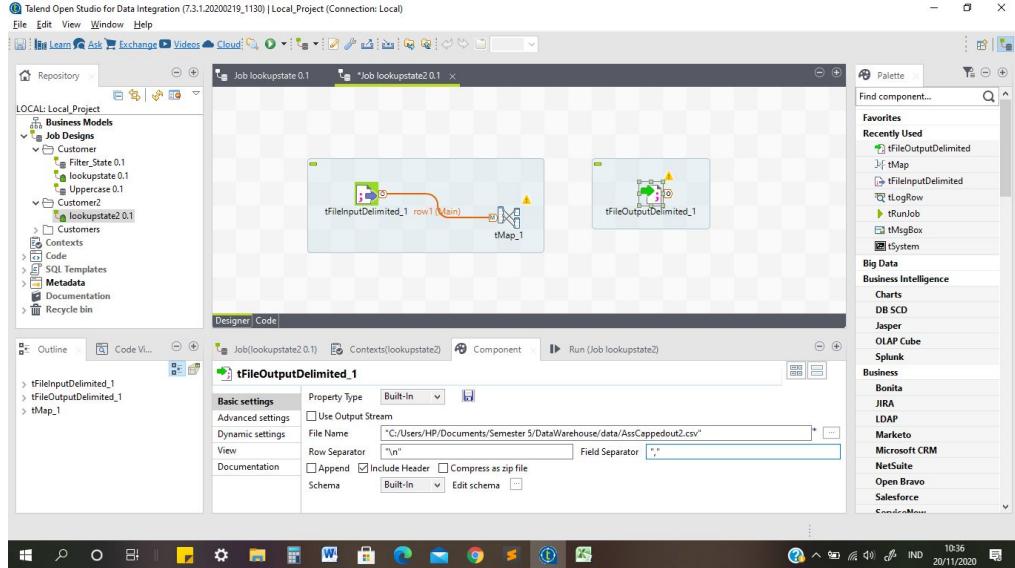
Dibagian TfileinputDelimited_1 klik kanan->row->main->sambungkan ke Tmap :



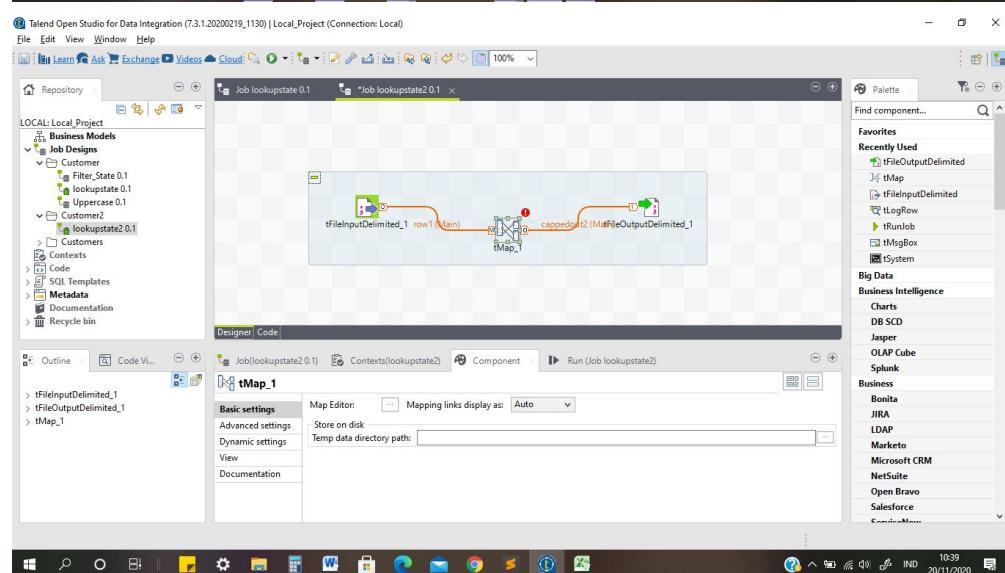
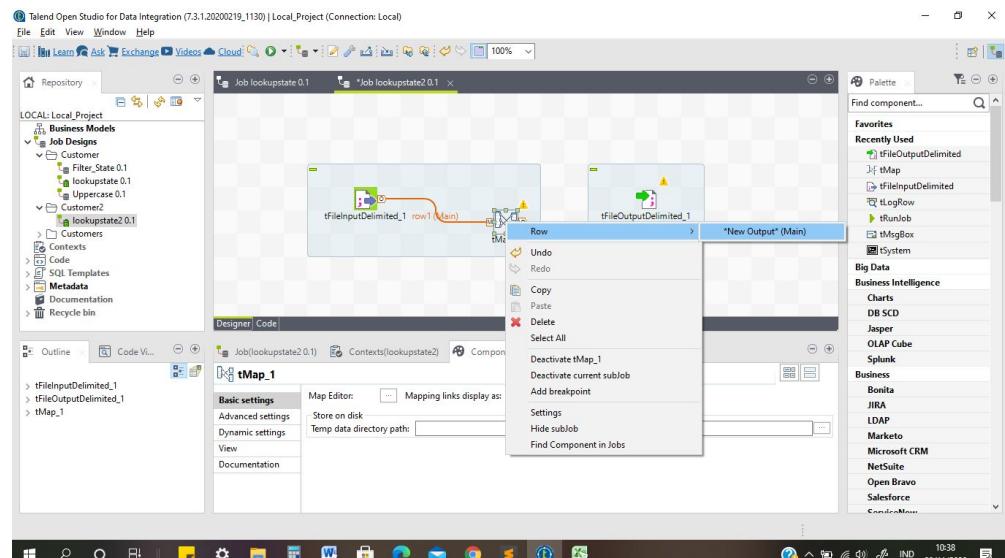
- Kemudian kita membuat file output untuk keluaran data uppcasenya dengan cara menambahkan palette tFileoutputDelimited->drag n drop ke worksheet :



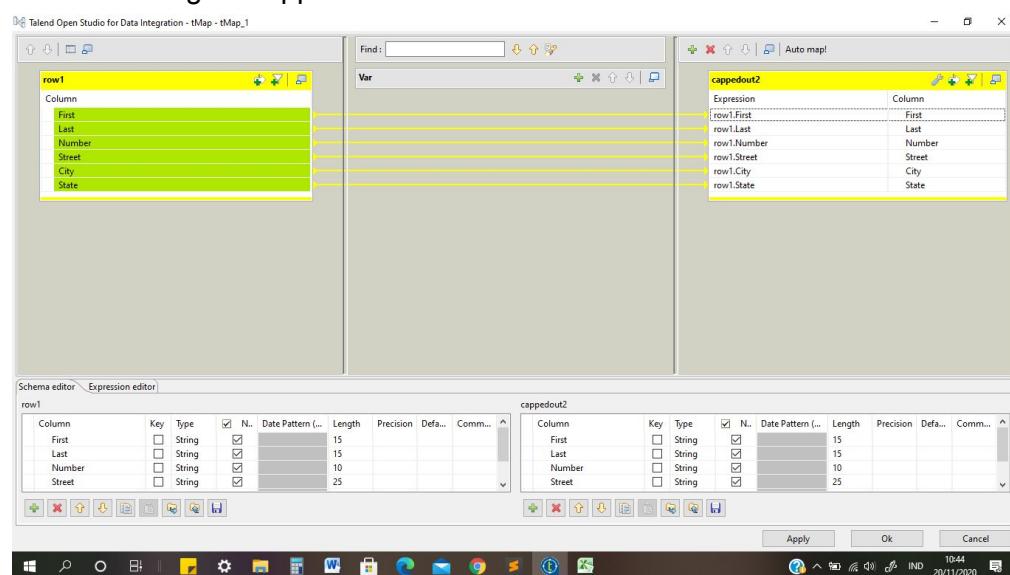
5. kemudian klik tFileoutputDelimited ubah beberapa data dibagian component
- File name->pilih lokasi untuk hasil output datanya, kalo saya di "C:/Users/HP/Documents/Semester 5/DataWarehouse/data/outcity.csv".
 - Field Separator->ubah menjadi “,”.
 - Documentation->centang bagian Include Header.



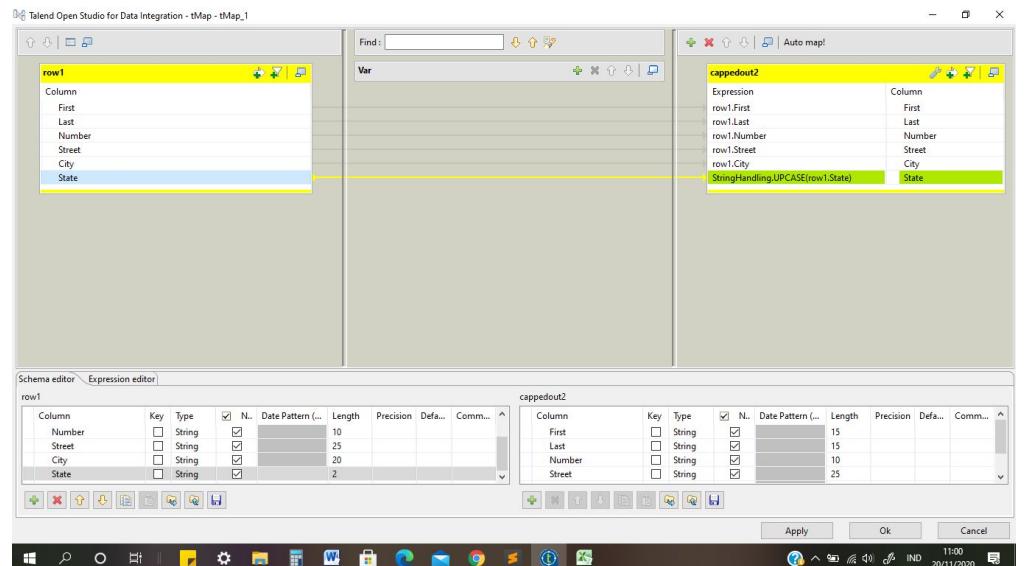
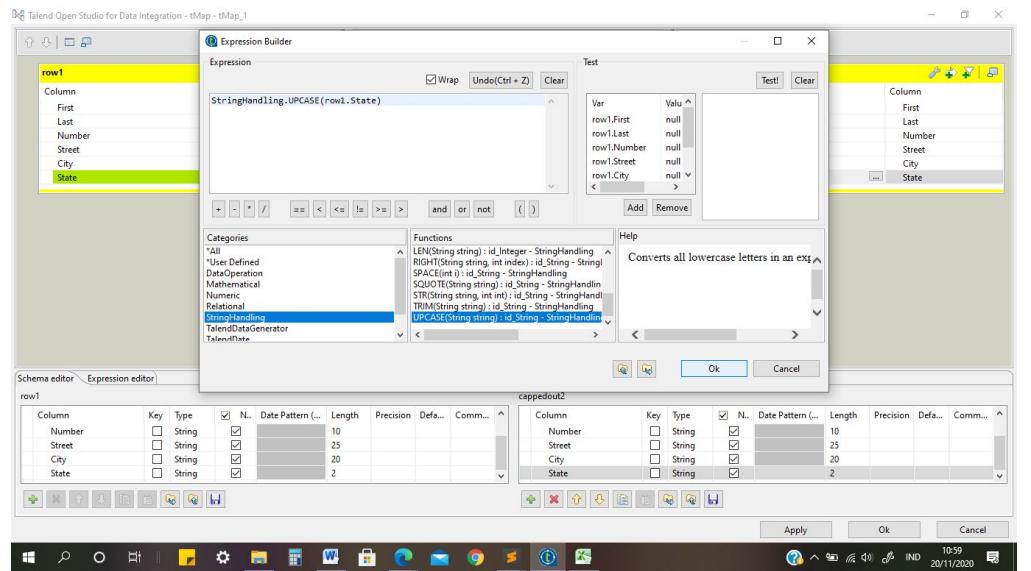
- Lakukan relasi tMap dengan tFileoutputDelimited dengan cara klik kanan->Row->New Output(Main)



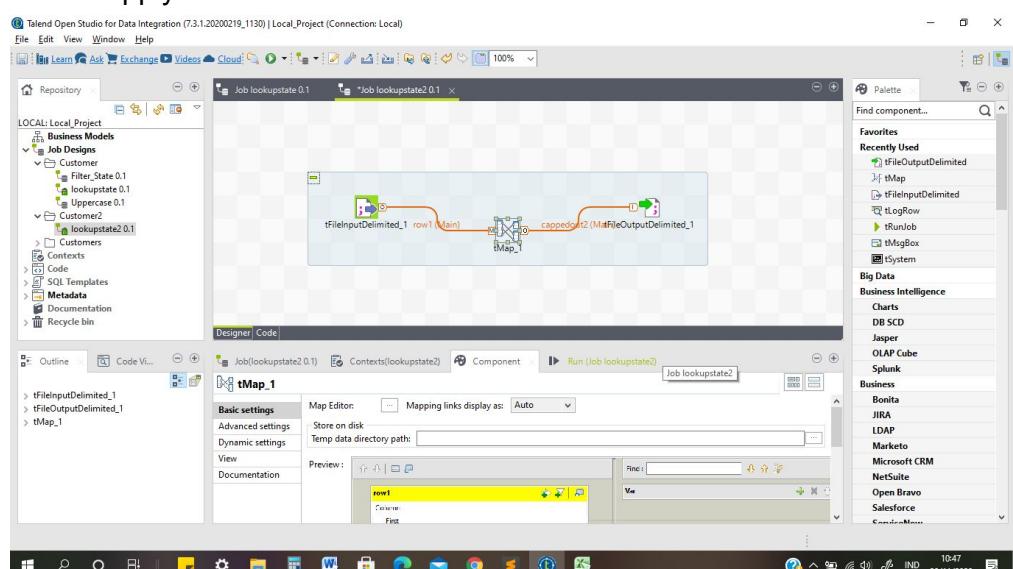
- Kemudian di bagian tMap di double click -> pilih seluruh data di row1 kemudian drag ke cappedout.:



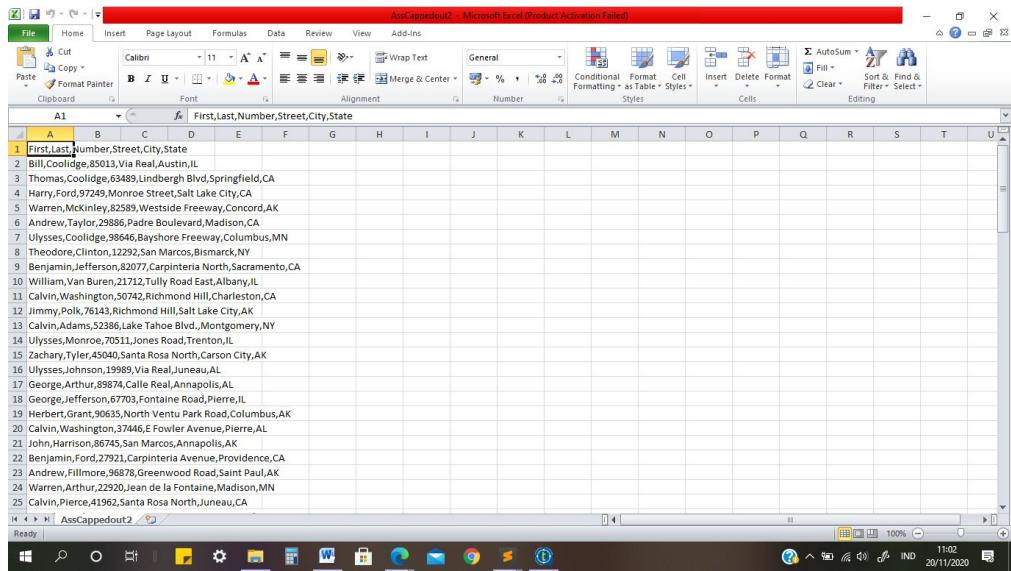
- dan di kolom cappedout ubah bagian State dengan ketentuan :
- Pilih StringHandling -> UPCASE(row1.State)



- Apply and OK



7. Kemudian Run hasinya :

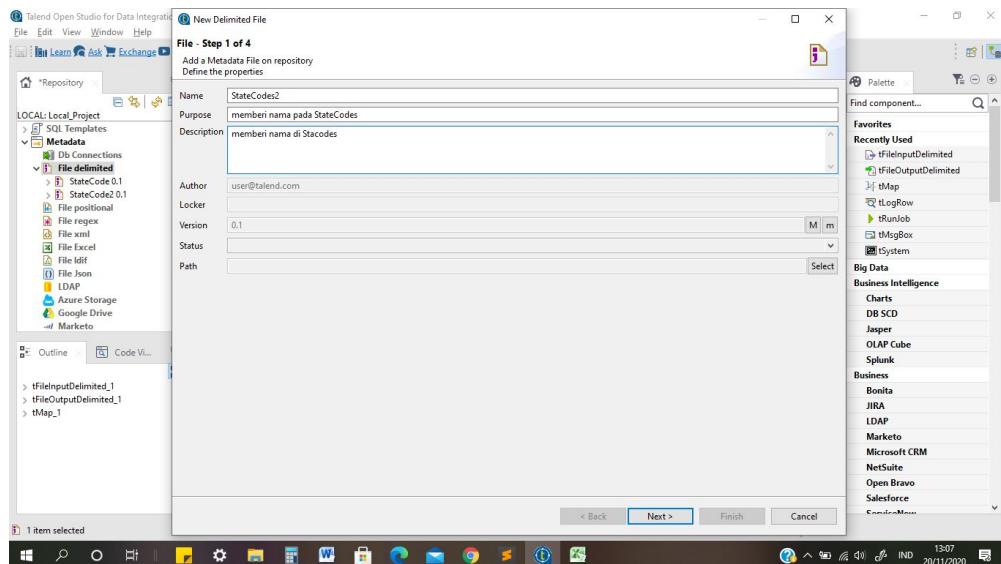


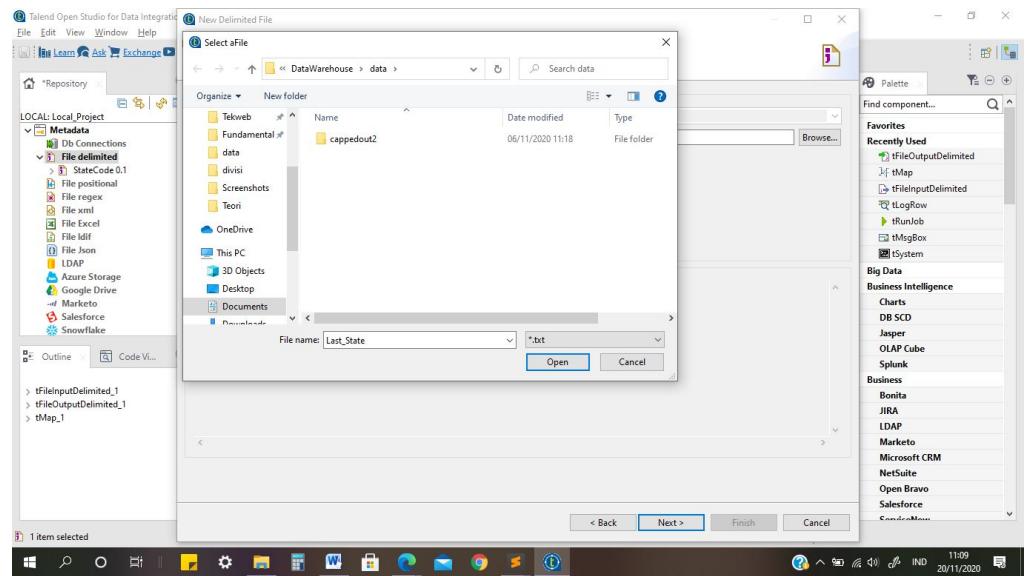
The screenshot shows a Microsoft Excel spreadsheet titled "AssCappedout2 - Microsoft Excel (Product Activation Failed)". The data consists of a single column of comma-separated values. The first row is labeled "First,Last,Number,Street,City,State". The subsequent 25 rows provide specific address details for various individuals, such as "Bill,Coolidge,85013,Via Real,Austin,IL" and "George,Jefferson,82077,Carpinteria North,Sacramento,CA". The Excel interface includes standard ribbon tabs like Home, Insert, Page Layout, Formulas, Data, Review, View, and Add-Ins.

First,Last,Number,Street,City,State
1 Bill,Coolidge,85013,Via Real,Austin,IL
2 Harry,Ford,97249,Monroe Street,Salt Lake City,CA
3 Thomas,Coolidge,63489,Lindbergh Blvd,Springfield,CA
4 Warren,McKinley,82589,Westside Freeway,Concord,AK
5 Andrew,Taylor,29886,Padre Boulevard,Madison,CA
6 Ulysses,Coolidge,98846,Bayshore Freeway,Columbus,MN
7 Theodore,Clinton,12292,San Marcos,Bismarck,NY
8 Benjamin,Jefferson,82077,Carpinteria North,Sacramento,CA
9 William,Van Buren,21712,Tully Road,Albany,IL
10 Calvin,Washington,50742,Richmond Hill,Charleston,CA
11 Jimmy,Polk,76143,Richmond Hill,Salt Lake City,AK
12 Zachary,Tyler,45040,Santa Rosa North,Carson City,AK
13 Ulysses,Monroe,70511,Jones Road,Trenton,IL
14 George,Arthur,89874,Saint Paul,Anchorage,AK
15 Herbert,Grant,90635,North Vento Park Road,Columbus,AK
16 John,Harrison,86745,San Marcos,Anchorage,AK
17 Andrew,Fillmore,96878,Greenwood Road,Saint Paul,AK
18 Warren,Arthur,22920,Je de la Fontaine,Madison,MN
19 Calvin,Pierce,41962,Santa Rosa North,Juneau,CA
20 Calvin,Washington,37446,E Fowler Avenue,Pierre,IL
21 Benjamin,Ford,27921,Carpinteria Avenue,Providence,CA
22 George,Jefferson,67703,Fontaine Road,Pierre,IL
23 Andrew,Fillmore,96878,Greenwood Road,Saint Paul,AK
24 Warren,Arthur,22920,Je de la Fontaine,Madison,MN
25 Calvin,Pierce,41962,Santa Rosa North,Juneau,CA

8. kemudian di bagian Navbar terdapat Metadata lakukan:

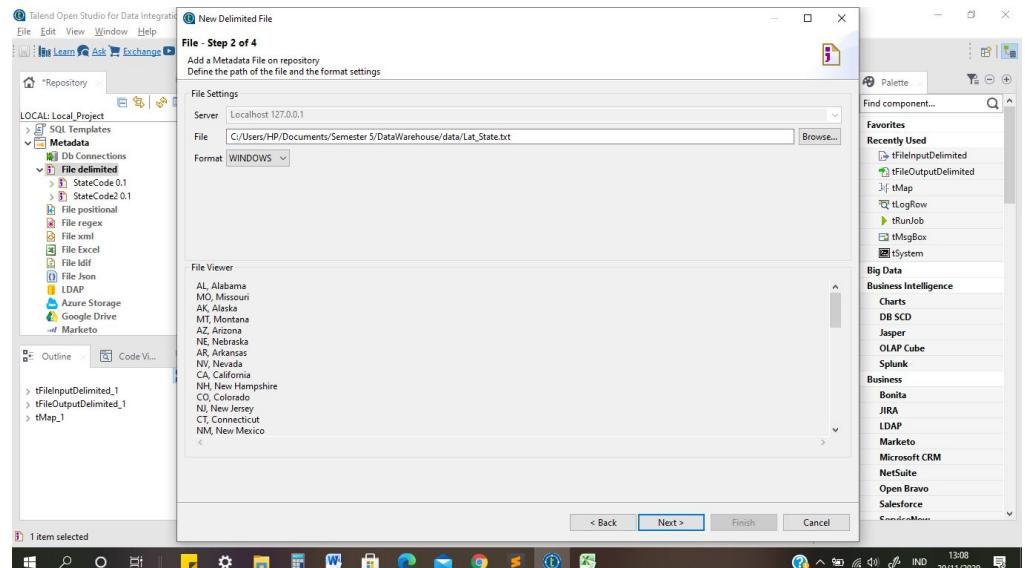
- Pilih File delimited kemudian klik kanan -> create file delimited isi sesuai data berikut:





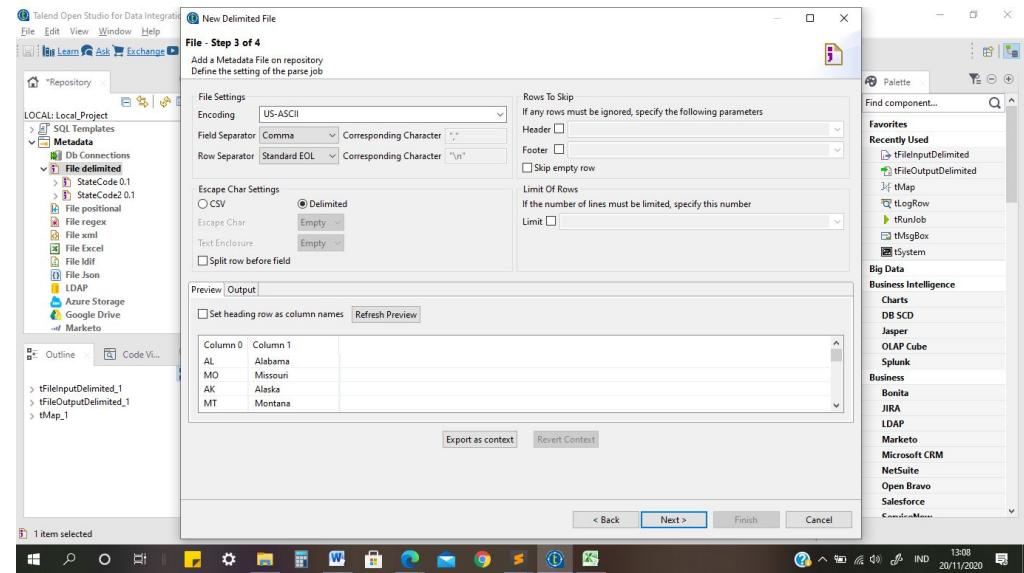
- kemudian pilih file Lat_State.txt.

-ubah format menjadi WINDOWS.

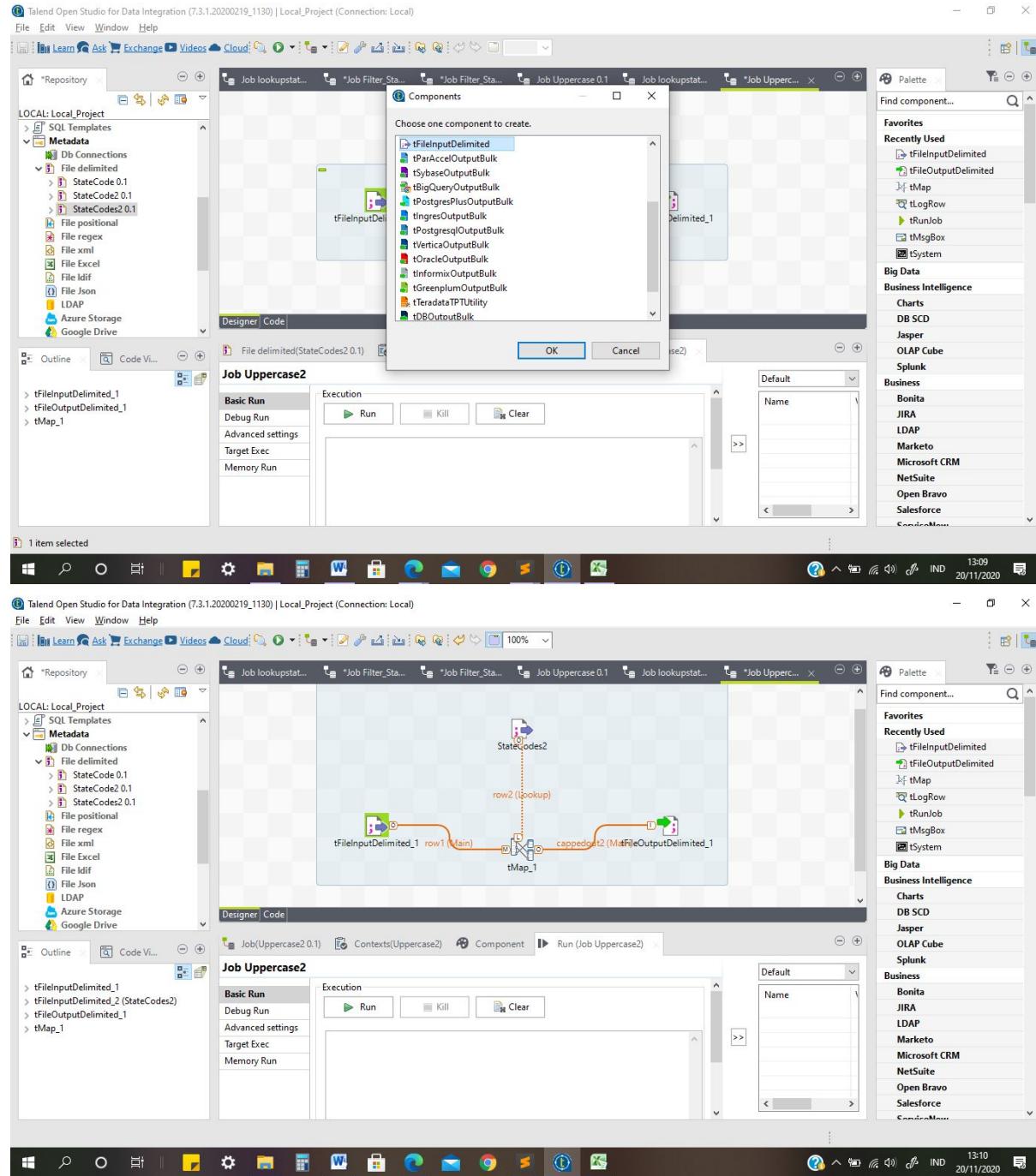


- kemudian ubah Field Separator menjadi Comma and Corresponding

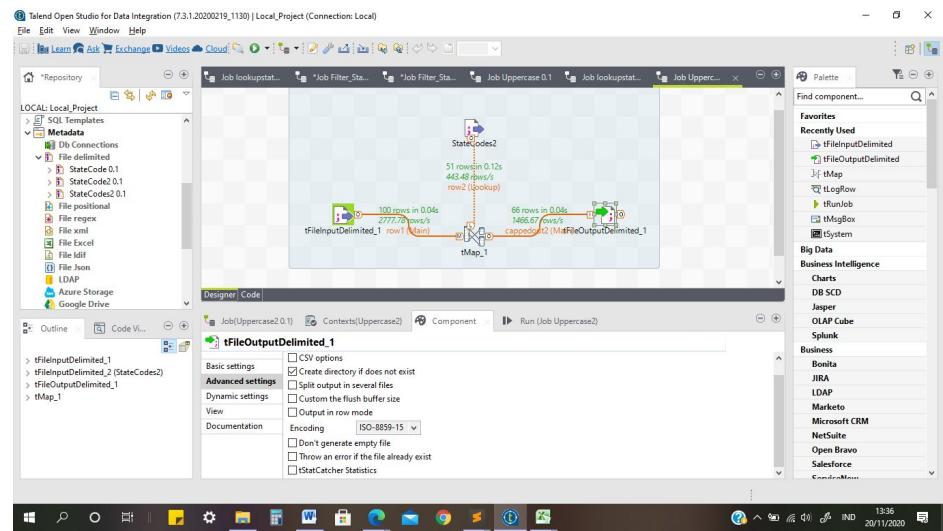
Character menjadi “,”



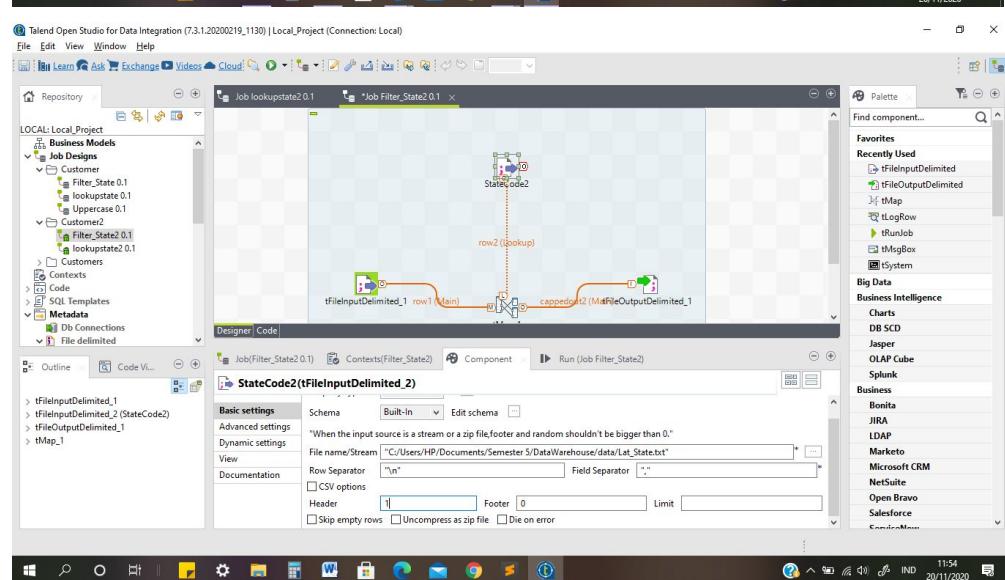
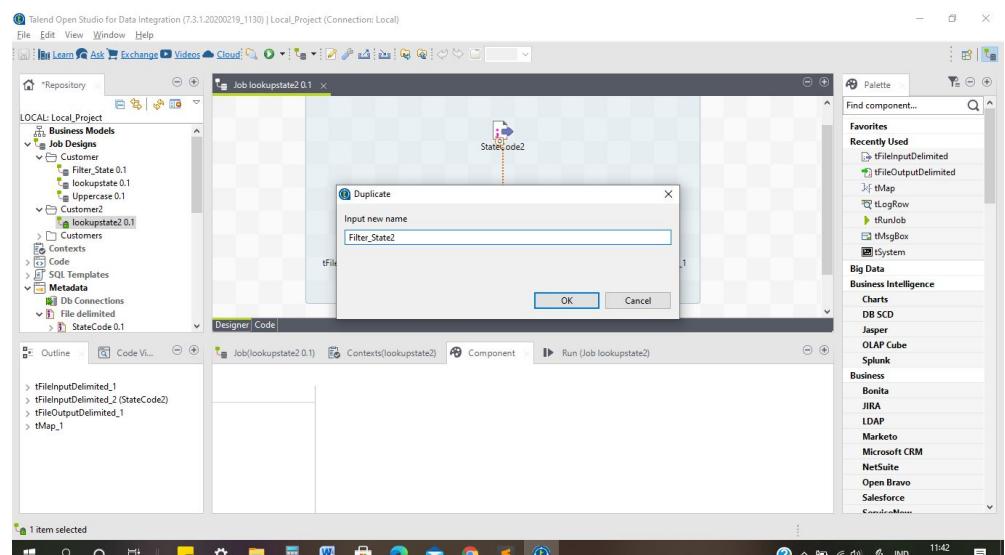
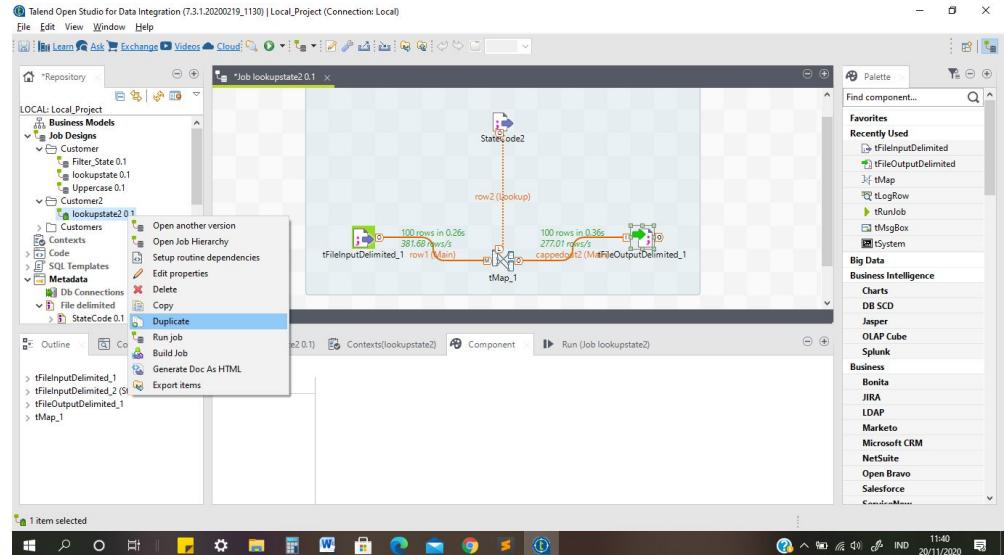
9. Drag n Drop StateCodes2 ke workpage dan pilih tFileInputDelimited kemudian hubungkan StateCodes2 dengan tMap dengan klik kanan di StateCodes2 -> Row -> Main



- kemudian dibagian tFileOutputDelimited pilih Advanced Setting lakukan unchecklist di Throw an error if the file already exist sebagai berikut:



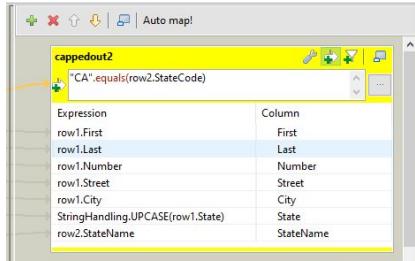
10. kemudian lakukan duplikat file LookupState2 dan beri nama file Filter_State2



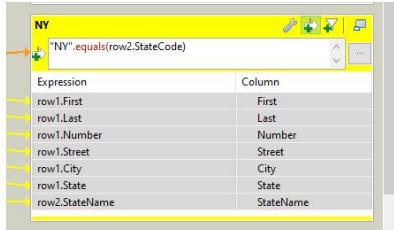
11. kemudian double klik di tMap lakukan seperti berikut

- drag n drop State di row1 ke row2 bagian column StateCode

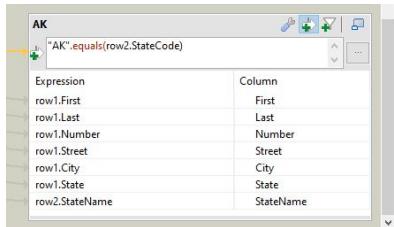
- drag n drop StateName di row2 ke bagian cappedout2 dibawahnya StringHandling UPCASE
- dibagian cappedout2 klik tanda panah dengan + dibagian navbar isi sebagai berikut: "CA".equals(row2.StateCode)



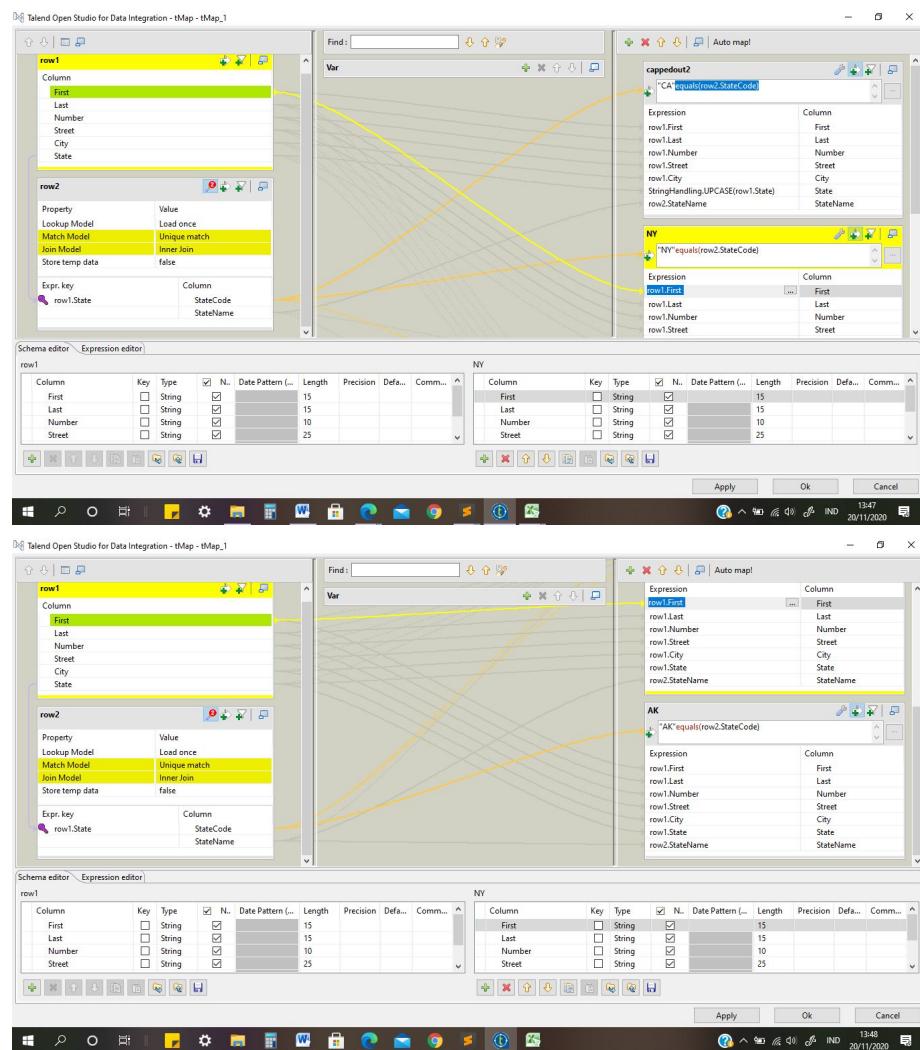
- klik tanda + di navbar kanan atas untuk menambah output beri nama NY
- drag n drop StateName di row2 ke bagian NY dibawahnya StringHandling UPCASE
- dibagian NY klik tanda panah dengan + dibagian navbar isi sebagai berikut: "NY".equals(row2.StateCode)



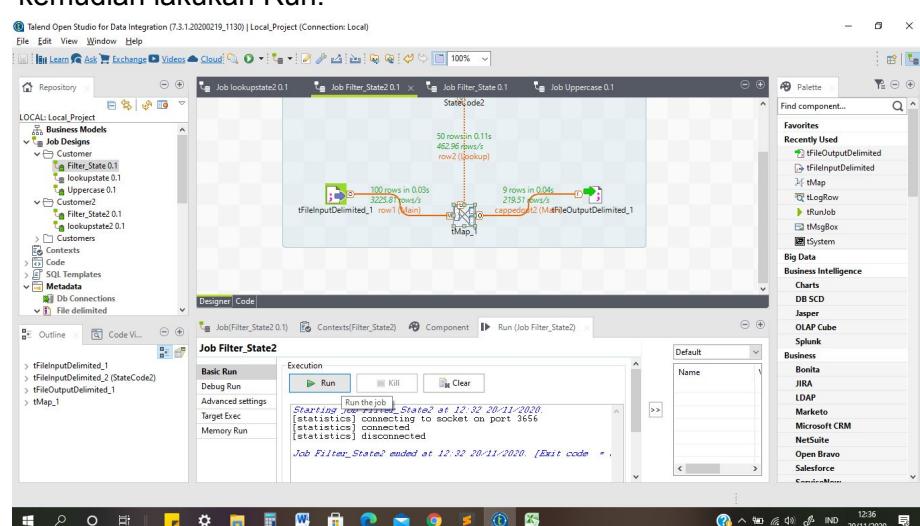
- klik tanda + di navbar kanan atas untuk menambah output beri nama AK
- drag n drop StateName di row2 ke bagian AK dibawahnya StringHandling UPCASE
- dibagian AK klik tanda panah dengan + dibagian navbar isi sebagai berikut: "AK".equals(row2.StateCode)



- hasilnya akan seperti ini:



-kemudian lakukan Run:



untuk hasil CA:

untuk hasil NY:

This screenshot shows a Microsoft Excel spreadsheet titled "AssCappedout22". The data is located in columns A through U, starting from row 1. The first column contains the header "First,Last,Number,Street,City,State,StateName". The subsequent rows list various names and their corresponding addresses in New York. The data includes entries such as "First,Last,Number,Street,City,State,StateName", "Andrew,Taylor,20886,Padre Boulevard,Madison,CA,California", and "Herbert,Washington,71351,Padre Boulevard,Indianapolis,CA,California". The spreadsheet has a standard Windows taskbar at the bottom.

untuk hasil NY:

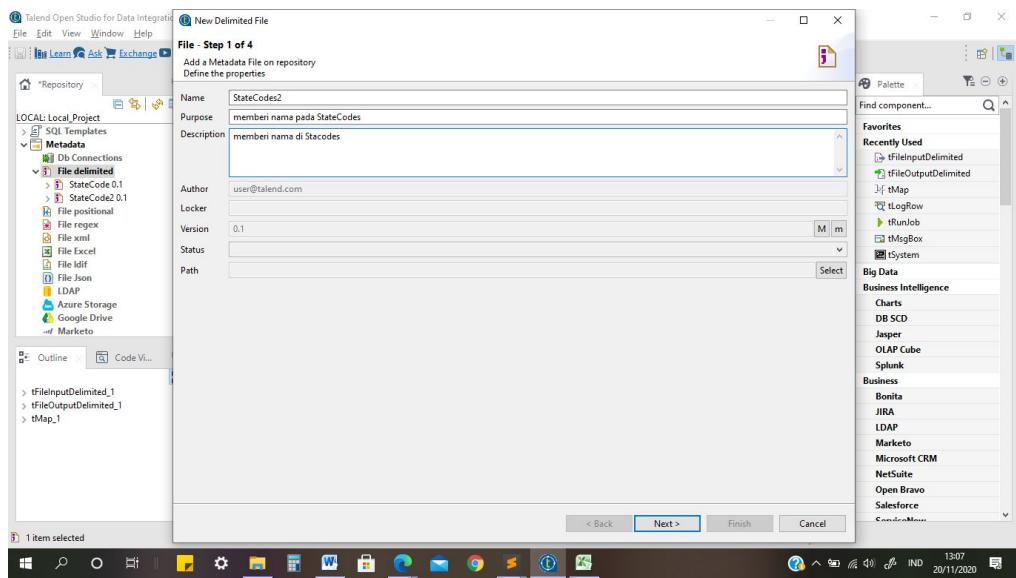
This screenshot shows a Microsoft Excel spreadsheet titled "AssCappedout23". The data is located in columns A through U, starting from row 1. The first column contains the header "First,Last,Number,Street,City,State,StateName". The subsequent rows list various names and their corresponding addresses in New York. The data includes entries such as "First,Last,Number,Street,City,State,StateName", "Thodore,Gitlow,12325,Sunrise,Bronx,NY,New York", and "Abraham,Tyler,65385,Lake Tahoe Blvd,Montgomery,NY,New York". The spreadsheet has a standard Windows taskbar at the bottom.

untuk hasil AK:

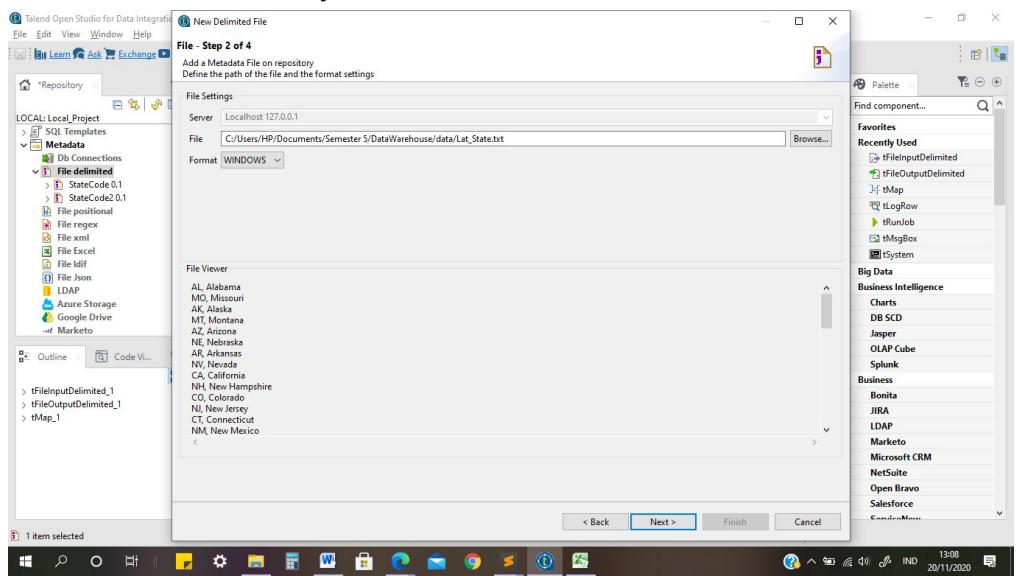
This screenshot shows a Microsoft Excel spreadsheet titled "AssCappedout24". The data is located in columns A through U, starting from row 1. The first column contains the header "First,Last,Number,Street,City,State,StateName". The subsequent rows list various names and their corresponding addresses in Alaska. The data includes entries such as "First,Last,Number,Street,City,State,StateName", "Jimmy,Polk,76143,Richmond Hill,Salt Lake City,AK,Alaska", and "George,Coolidge,67507,Santa Monica Road,Columbus,AK,Alaska". The spreadsheet has a standard Windows taskbar at the bottom.

Jawaban Nomor 1:

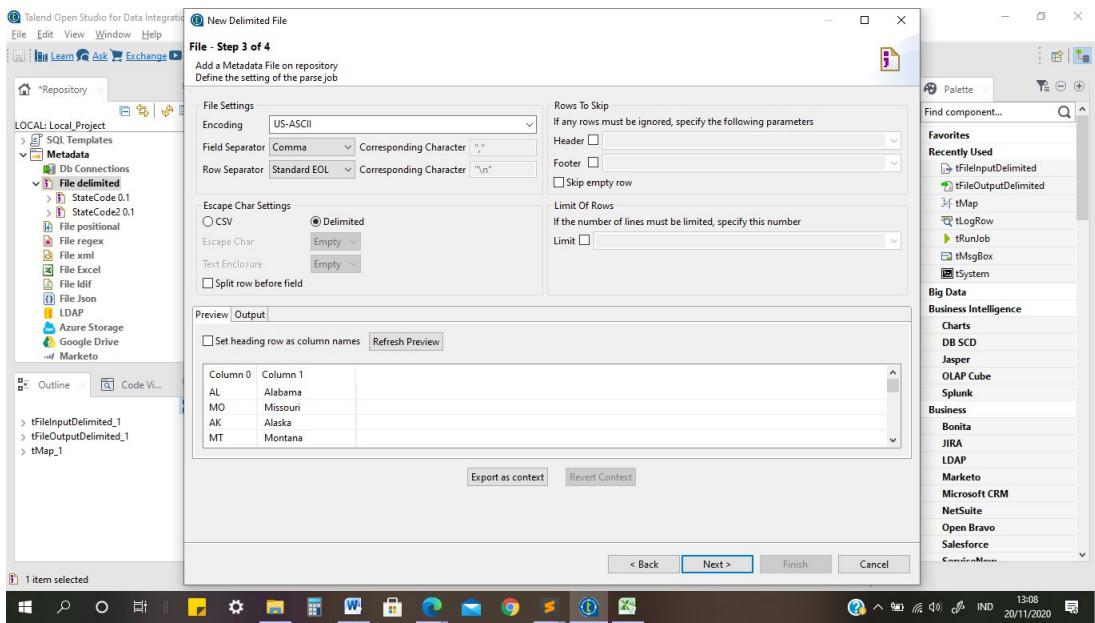
1. - Pilih Metadata
 - pilih File Delimited
 - create new file delimited



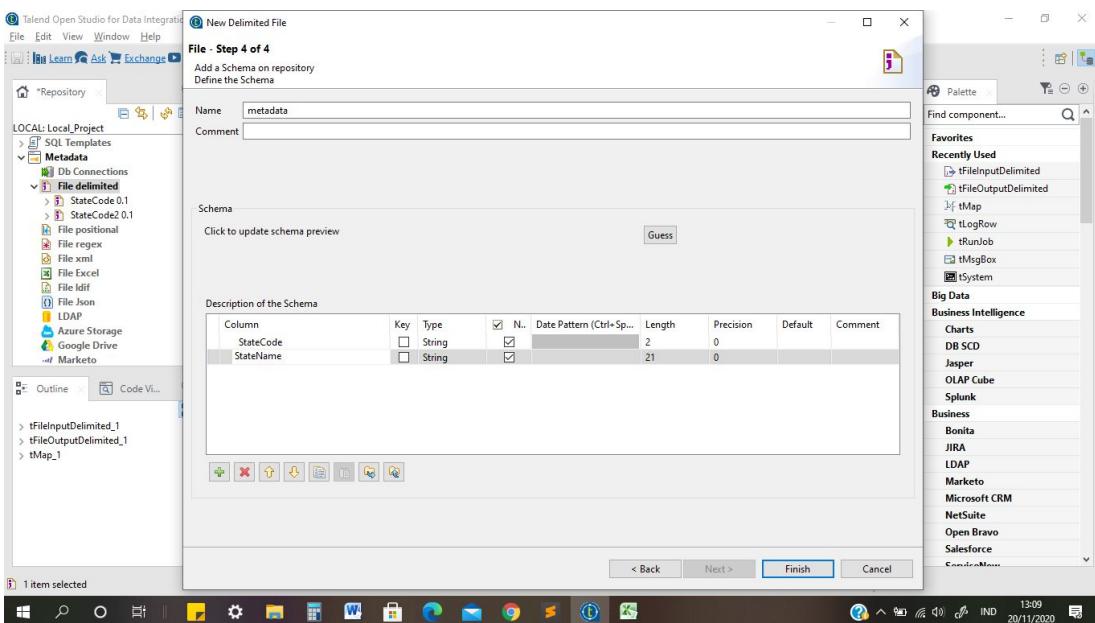
- pilih file data Lat_State.txt
- ubah format menjadi WINDOWS



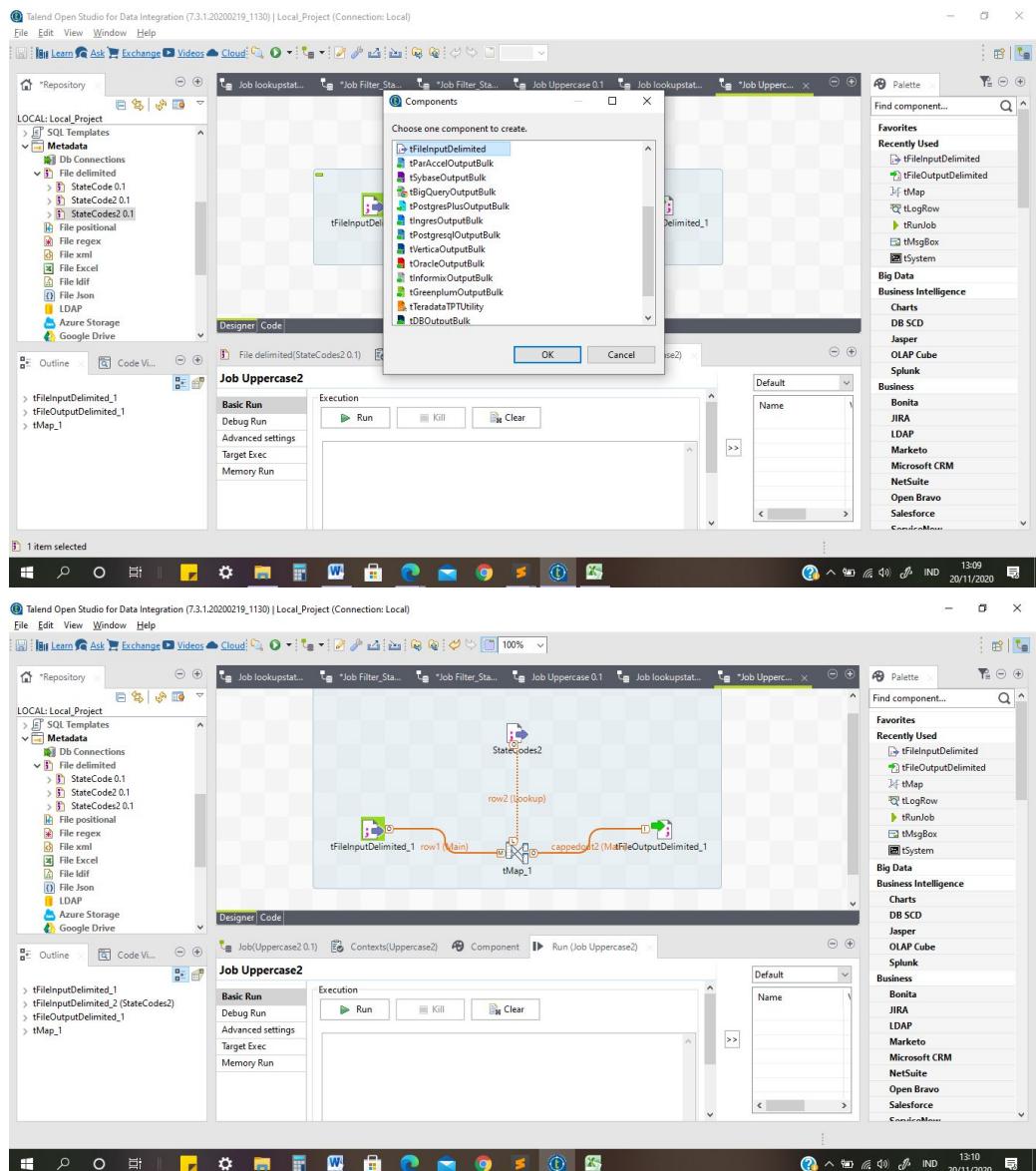
- Ubah Field separator menjadi Comma
- ubah Corresponding Character menjadi “,”



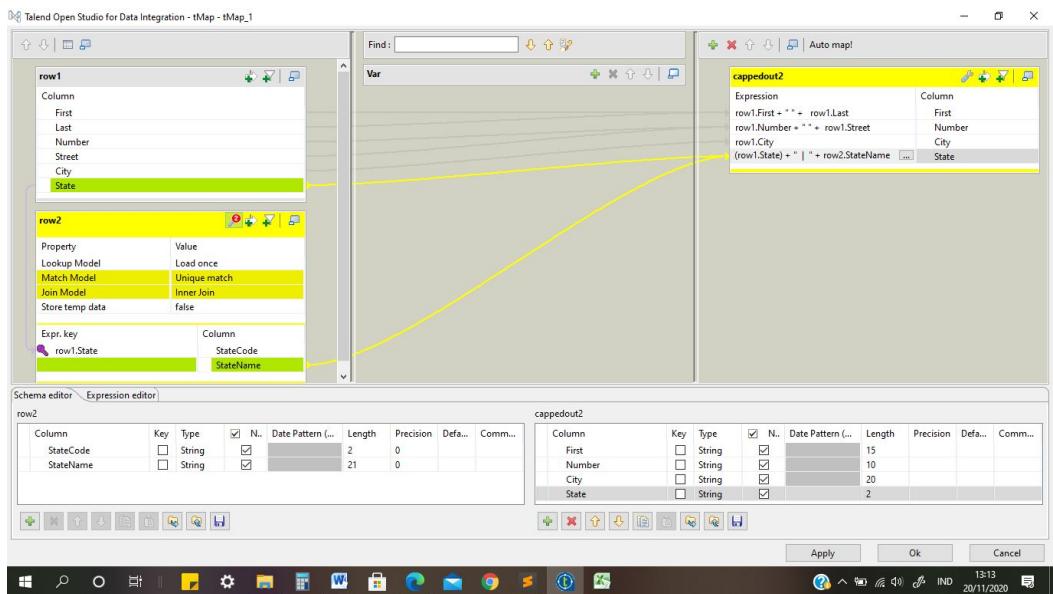
- Ubah bagian Description of the Schema di Column menjadi StateCode dan StateName



- kemudian Drag n Drop StateCodes2 tadi ke workpage
- pilih tFileInputDelimited



- ubah bagian tMap menjadi seperti berikut:
- di bagian property row2 ubah Join Model menjadi Inner Join
- di bagian cappedout column State tambahkan “ | “ menjadi StringHandling.UPCASE(row1.State) + “ | “ + row2.StateName



- kemudian lakukan Run, Hasil Outputnya :

