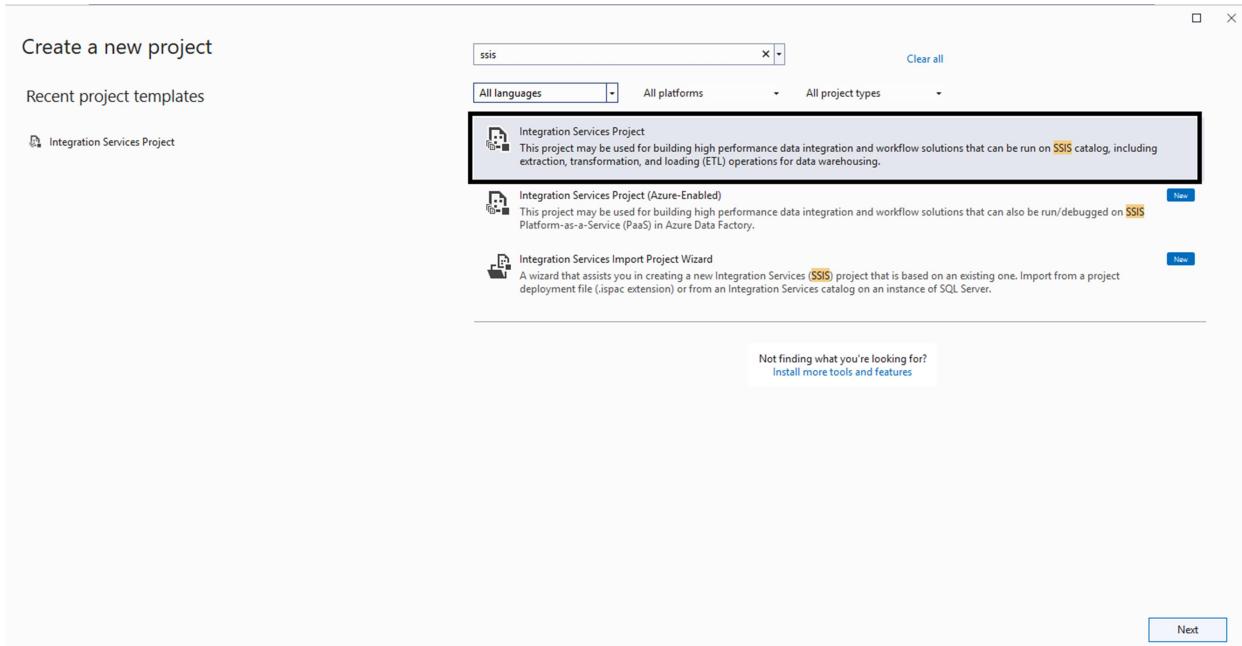


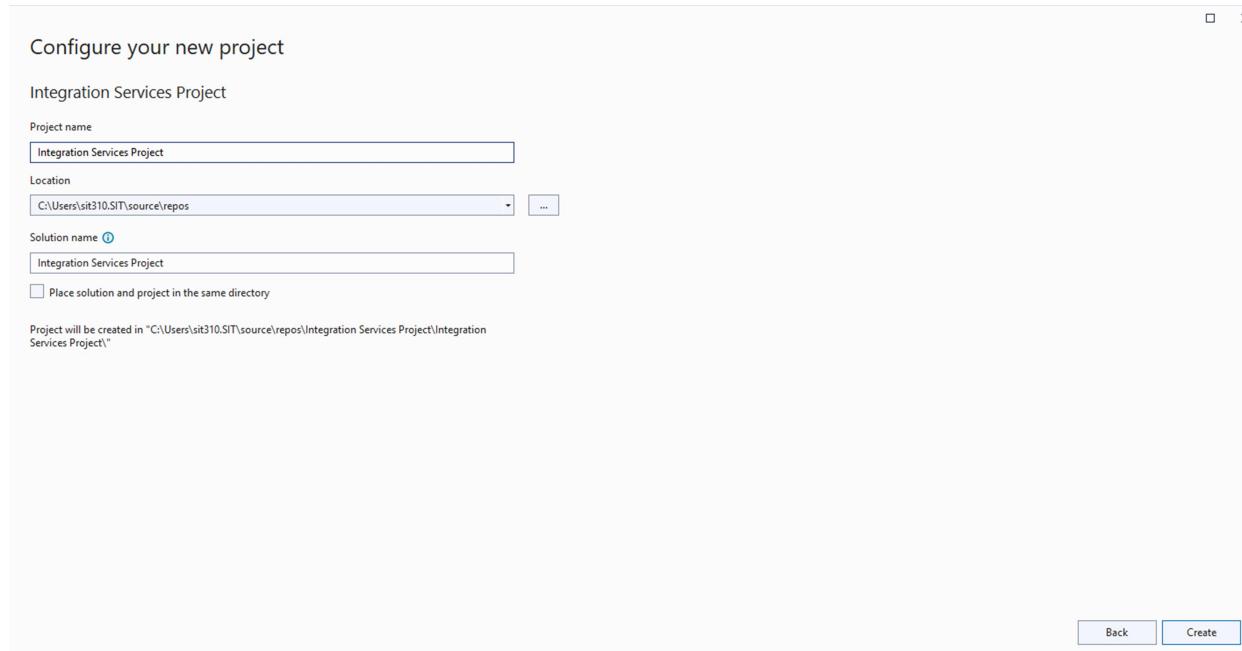
Create Project with SSIS

Step 1: After installation of all things go to visual studio and create new project after that search for “SSIS” you will see below screen.

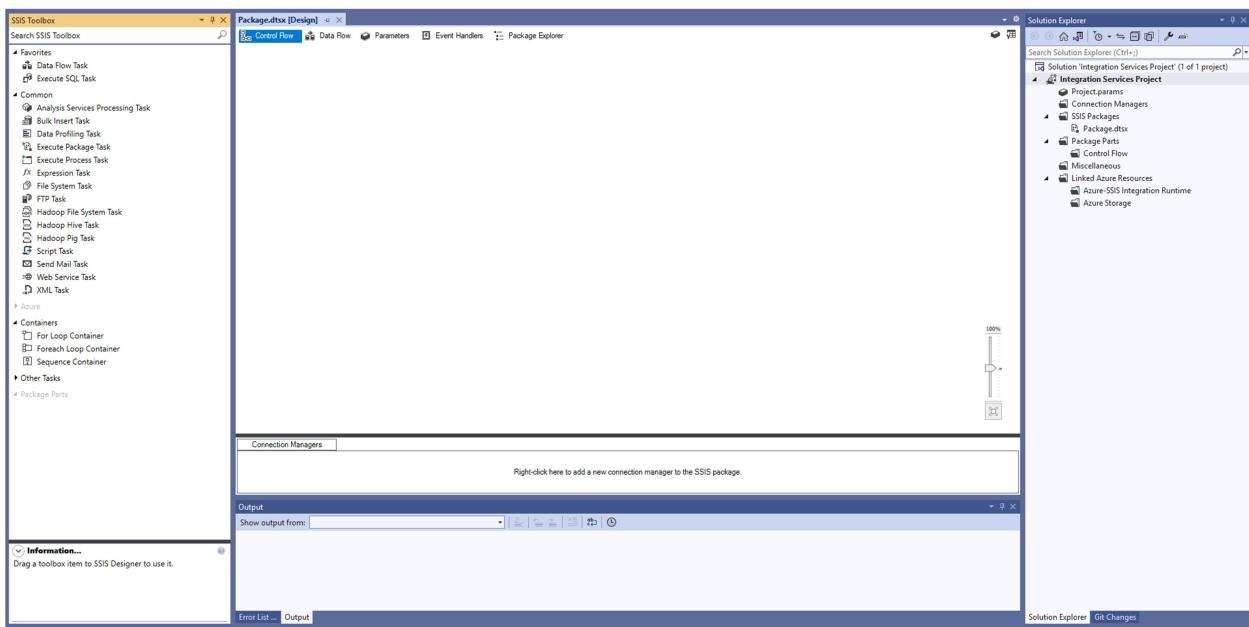


Create Project with “Integration Services Projects”

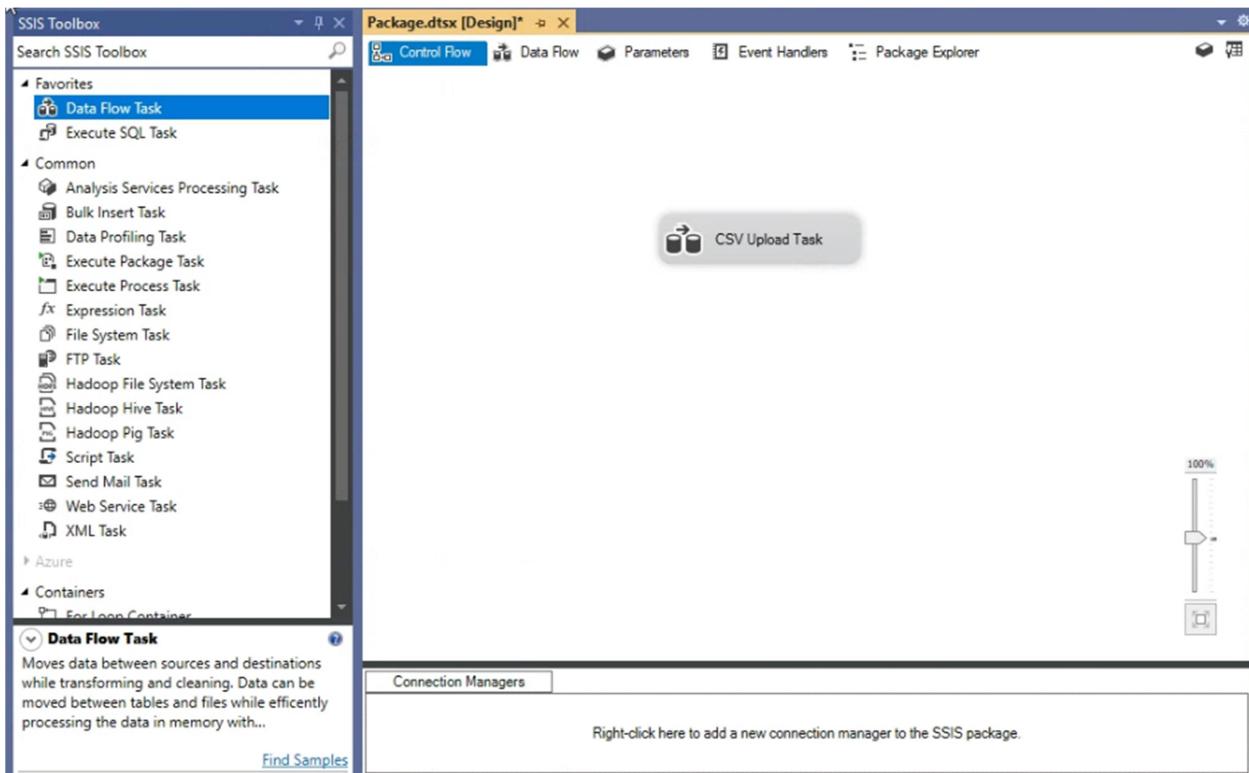
Step 2: Give your project name and Location of project and Click on Create.



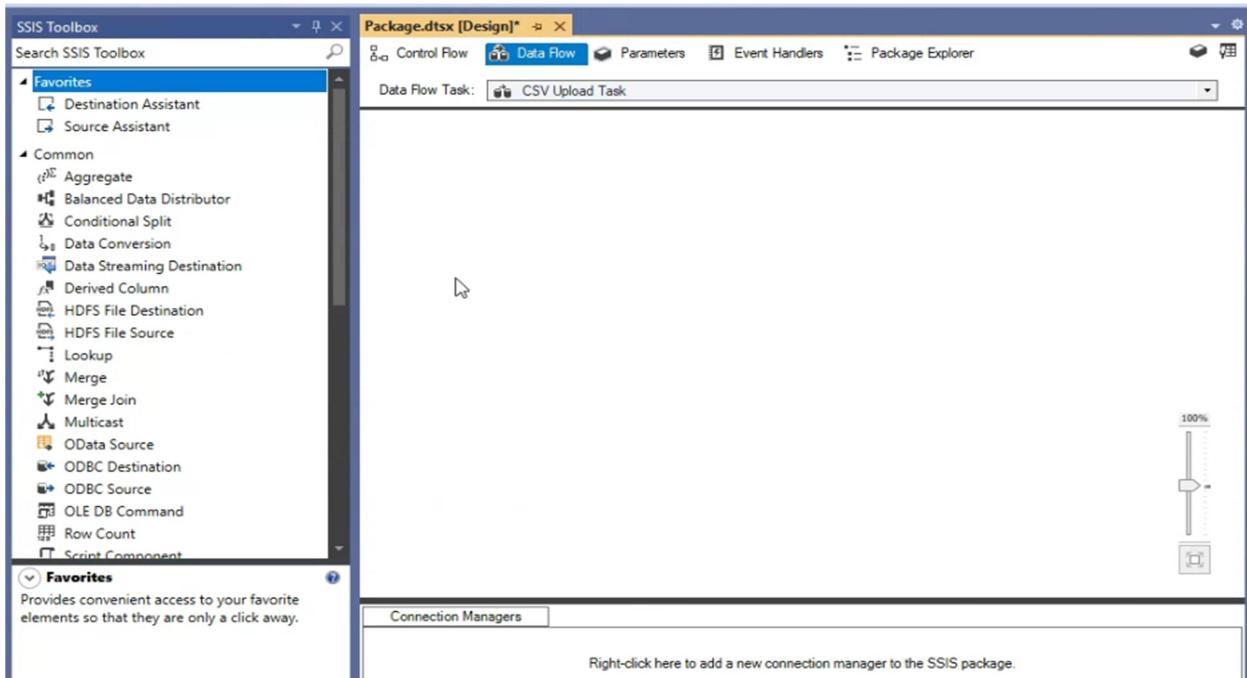
You will be seen screen like below



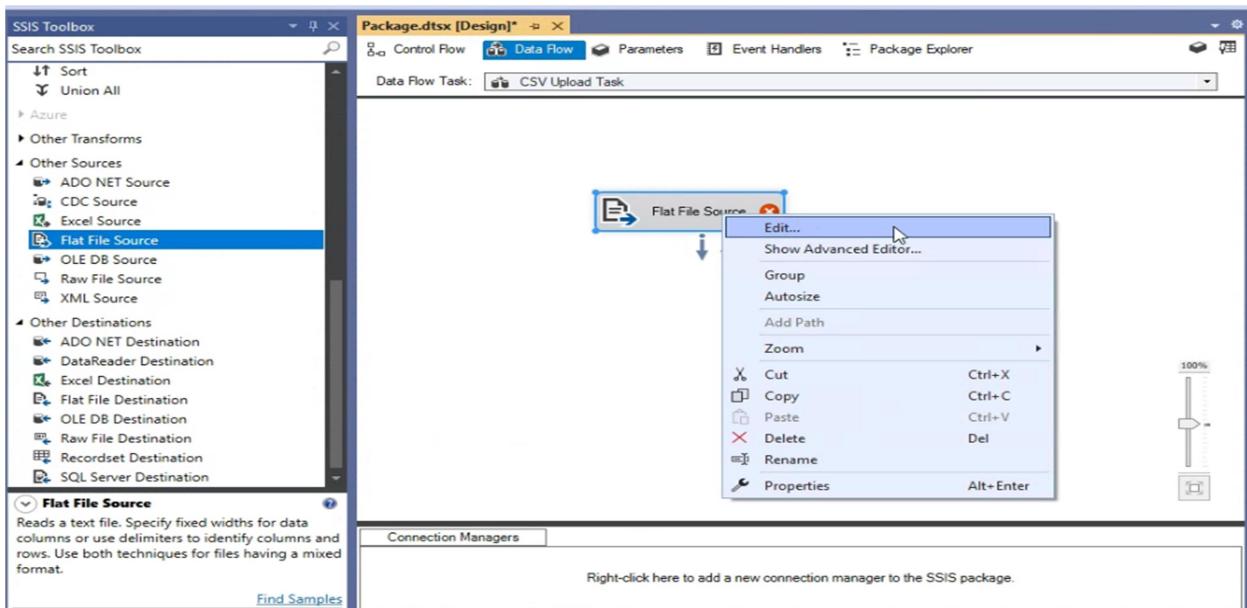
Step 3: For creating data flow task go to with Data flow task and from toolset. For select it just drags from toolset and drop to center part. You can rename it by just click it on it.



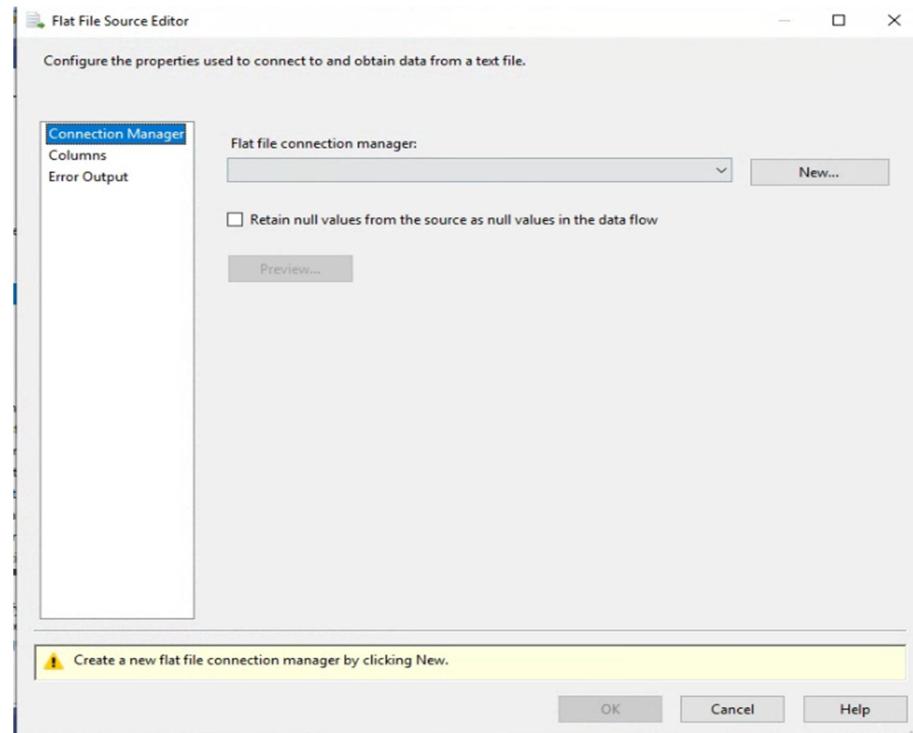
Step 4: Now, for do dataflow just double click on Data flow task or direct go to Data Flow from header. After click on that you can see different toolset on right side and black screen on middle where all package logic is written.



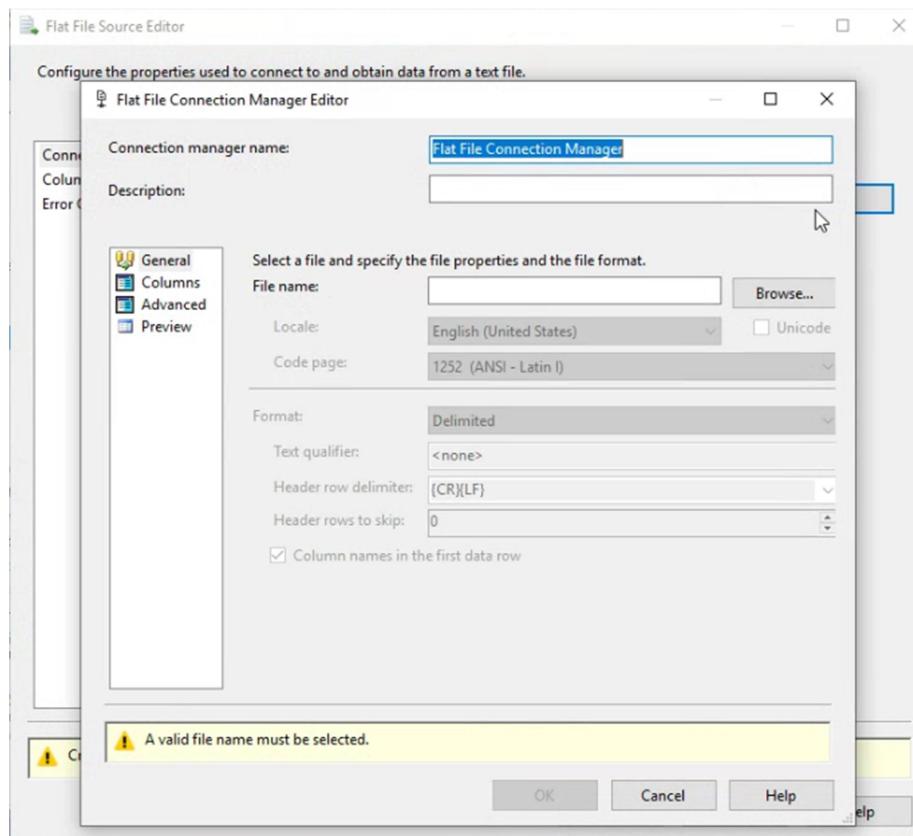
Step 5: Now select Flat file Source from toolset and drag and drop to central now you can that task with Red Cross with that tool. This Red Cross suggests that you haven't select or browse any file. For selecting file just right click on that tool and you can see option like edit just click on that option.



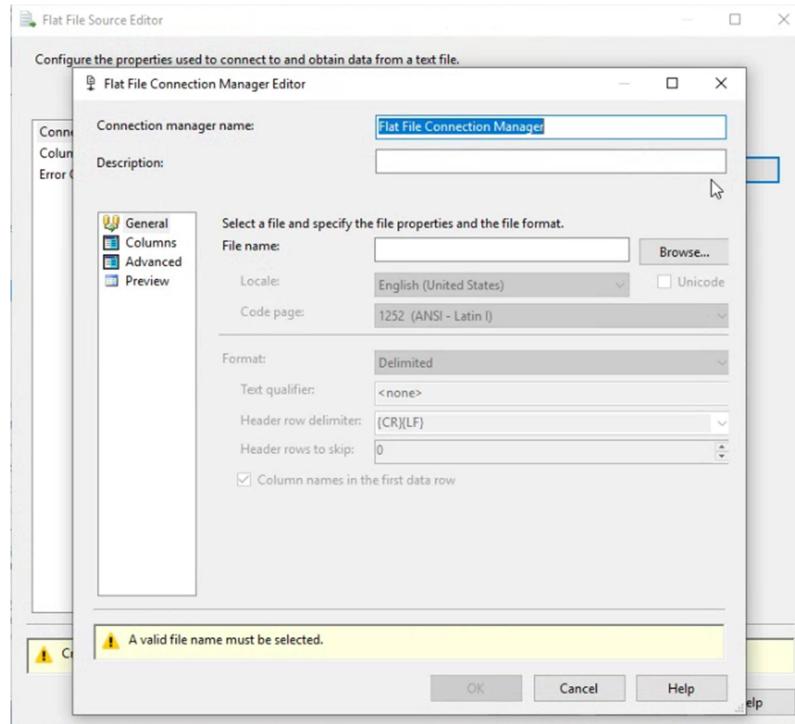
Step 6: After click on edit you will see new modal on screen like below:



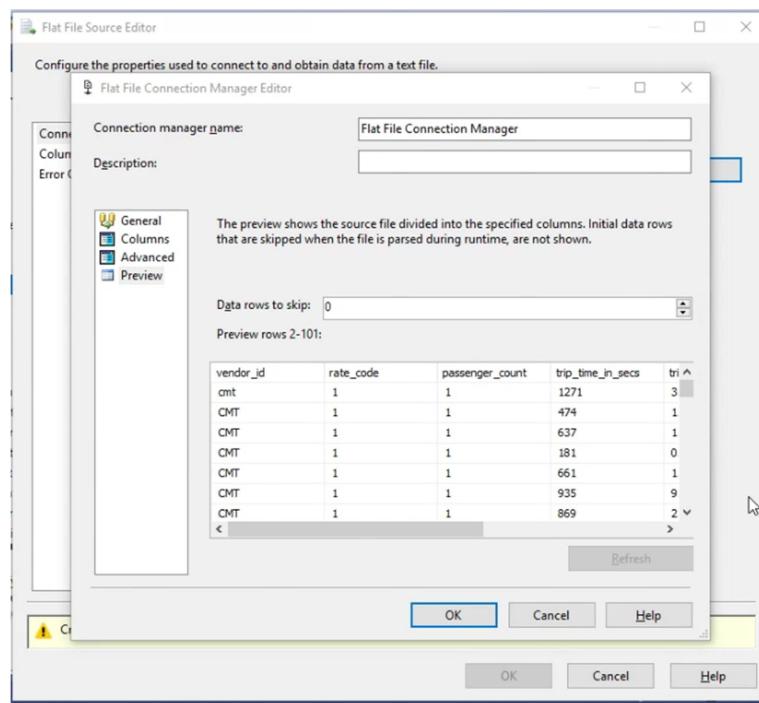
Step 7: After click on edit you will see new modal on screen like below:



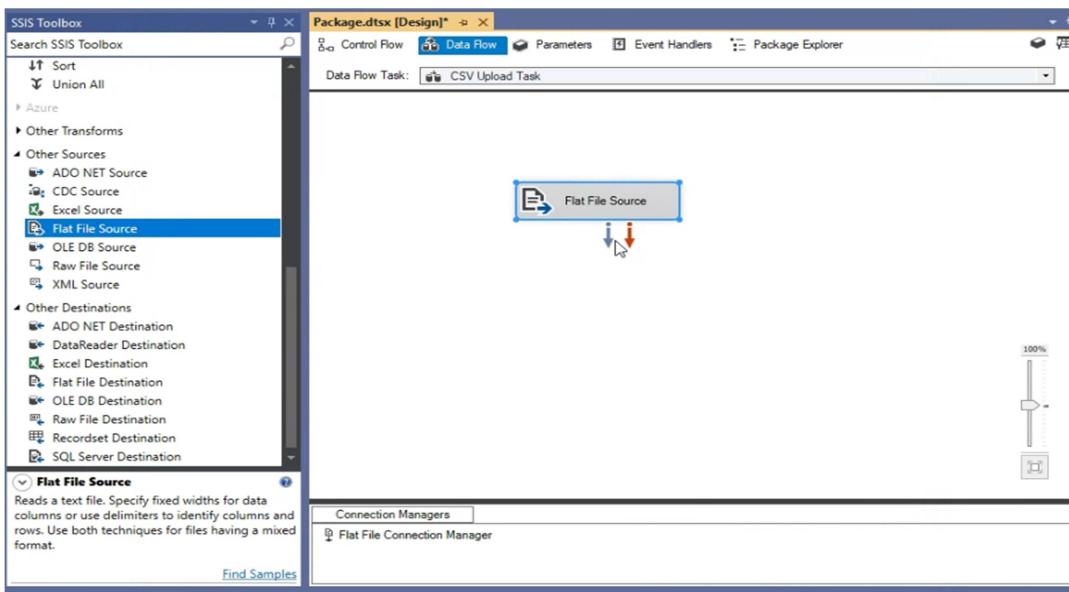
Step 8: Just Browse your file and for now we will do not change any options from below.



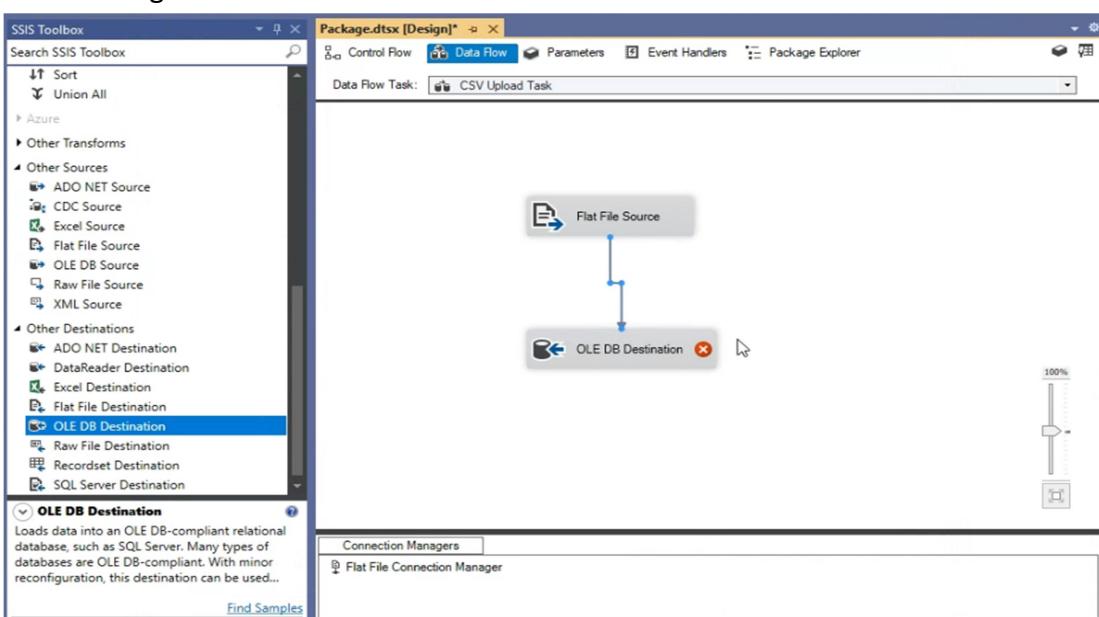
Step 9: After browsing file change tab to column and select columns where you can see your uploaded file data into table format. From advanced tab you can select delimiter of your CSV file (Default is selected). Or else you can change your data type width of your data. and at last Preview tab you can see final data to ready to upload. After that click on Okay that modal.



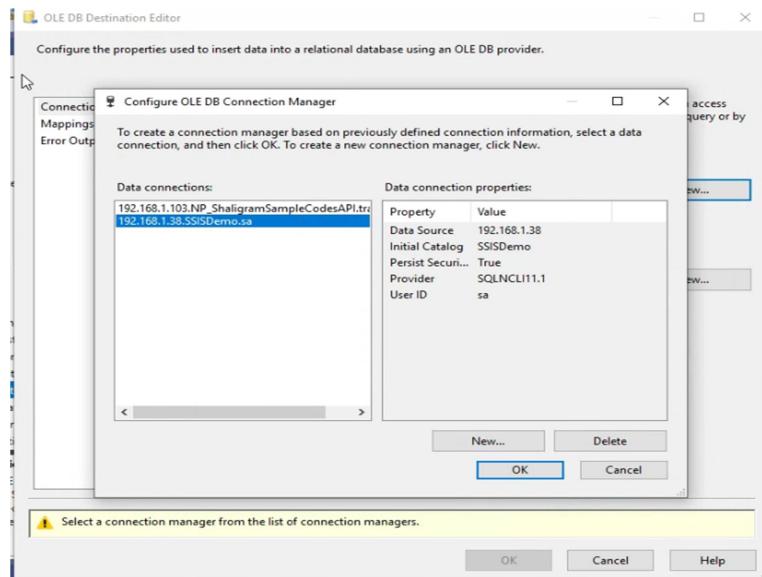
Step 10: Now from previous modal just change tab called as “Columns” and select columns which you want to upload. And Error output tab for what your package will do if your data has been wrong and not able to add into database. Just click on okay and now that red side has been gone for that and select after select that tool you can see two arrows from that toolset. First for your correct data and where this data is redirect to. And second red one suggest where you should to redirect if you get any error.



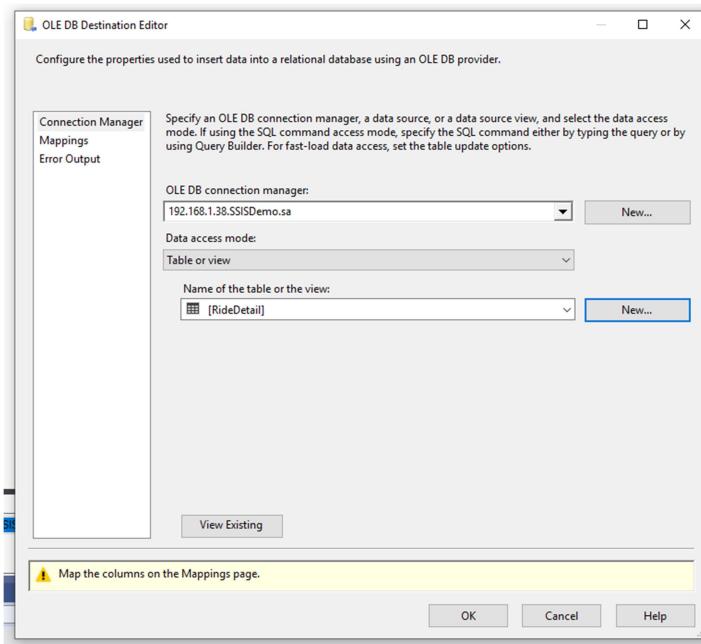
Step 11: For now we are just uploading that data into database. So for that select OLE DB Destination or ADO NET Destination from tool set and drag and drop. After that from Flat file source tool blue arrow(Success arrow) connect with that database toolset. Here we are using OLE DB Destination for database connection.



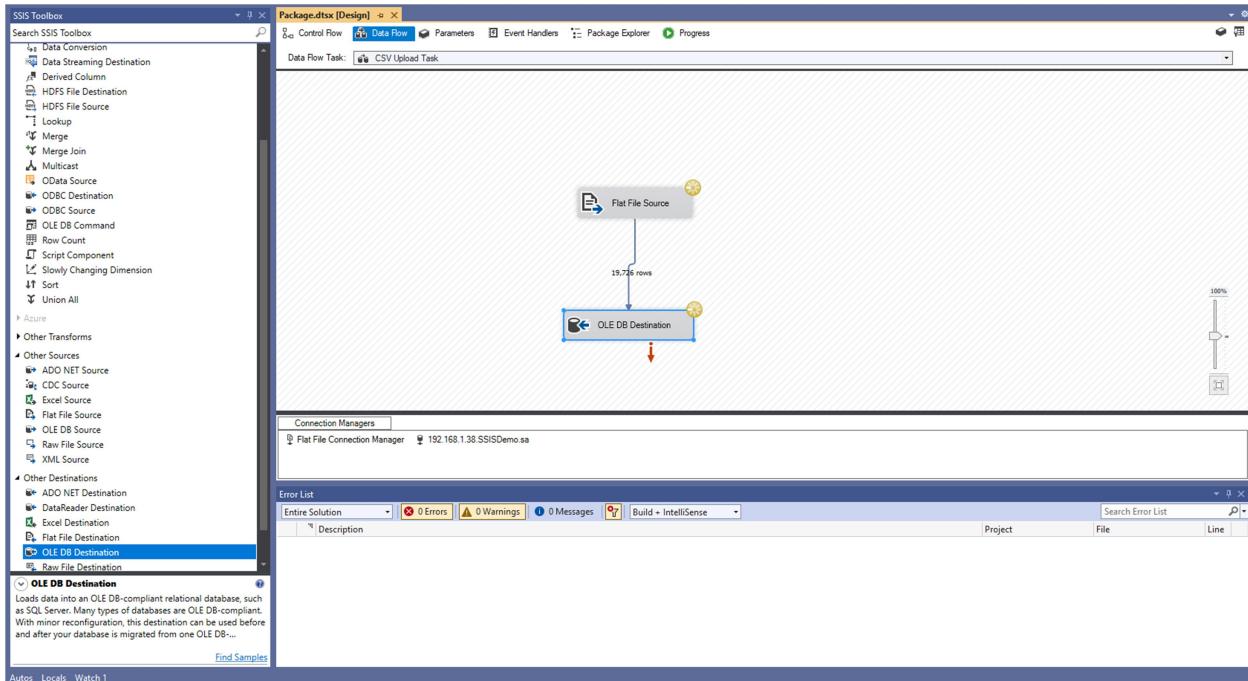
Step 12: As previously done right click on OLE DB Tool and make edit and make new connection with database by giving server credentials and make connection with that. After making connection test it. If successfully connected with server you have to select database in which you want to perform your task.



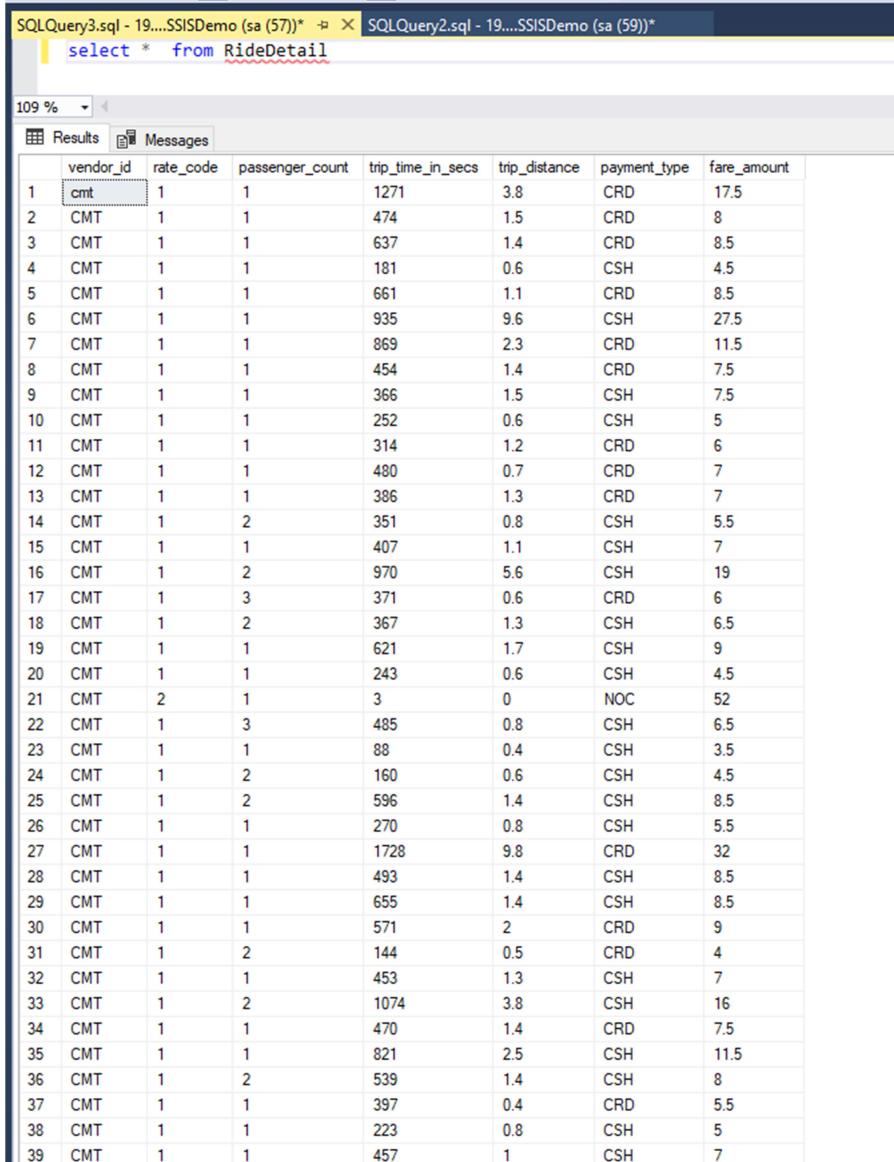
Step 13: After selecting database click on ok and select your table name from selecting database. Or else if you don't have any table for that just click on New button on right side it will automatically create your table into that database according to your data.



Step 14: After that you can close that modal by click on OK button and now you can see you're OLE DB Connection had that red sign has been gone. And you are ready to upload that data. For running that project or package Just click Start button you can see that your data uploaded started.



Step 15: For make sure your data has been successfully uploaded you can seen that right sign on tool suggest that your tool execution has been completed. And also you can see your data into database by executing query. (Select * from [Table Name])



The screenshot shows a SQL Server Management Studio (SSMS) window with two tabs: 'SQLQuery3.sql - 19...SSISDemo (sa (57))' and 'SQLQuery2.sql - 19...SSISDemo (sa (59))'. The 'Results' tab is selected, displaying the output of the following query:

```
select * from RideDetail
```

The results grid shows data for 39 rows, each representing a ride detail. The columns are: vendor_id, rate_code, passenger_count, trip_time_in_secs, trip_distance, payment_type, and fare_amount. The data includes various vendor codes like 'cmt' and 'CRD', and fare amounts ranging from 5 to 17.5.

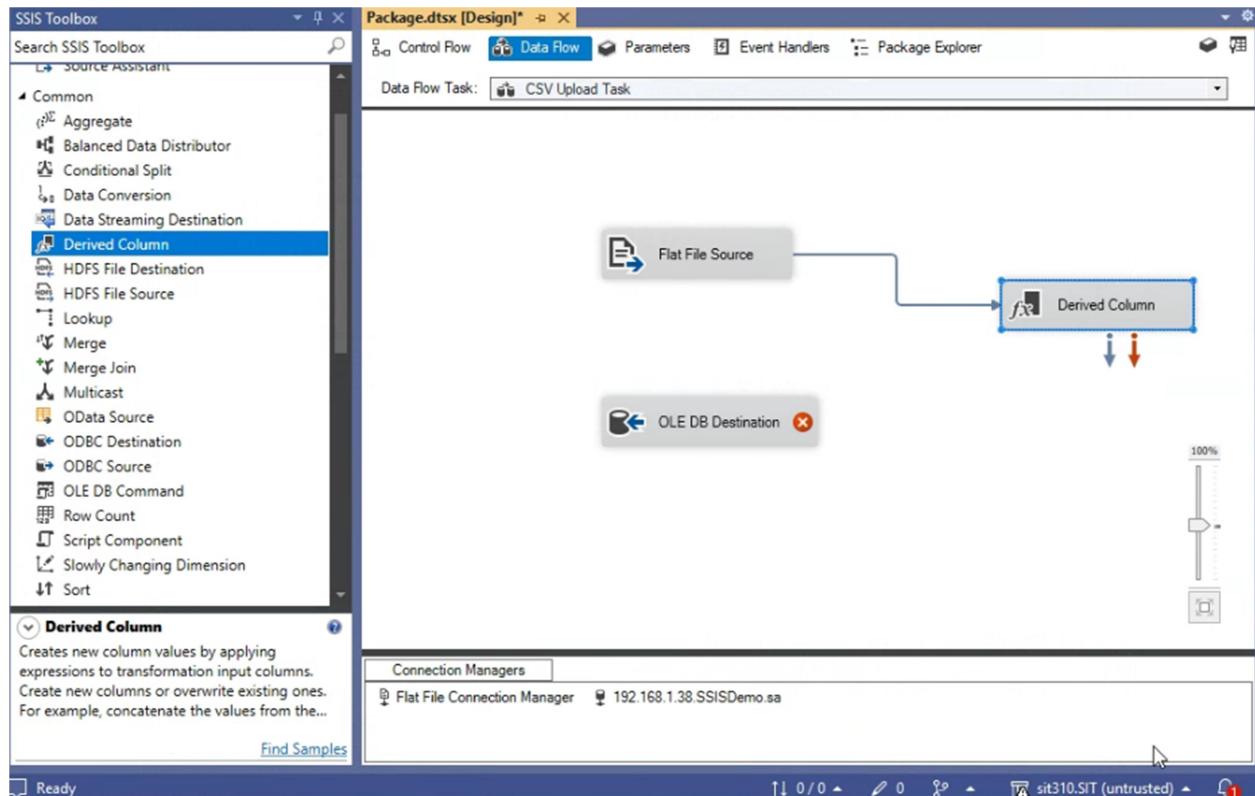
	vendor_id	rate_code	passenger_count	trip_time_in_secs	trip_distance	payment_type	fare_amount
1	cmt	1	1	1271	3.8	CRD	17.5
2	CMT	1	1	474	1.5	CRD	8
3	CMT	1	1	637	1.4	CRD	8.5
4	CMT	1	1	181	0.6	CSH	4.5
5	CMT	1	1	661	1.1	CRD	8.5
6	CMT	1	1	935	9.6	CSH	27.5
7	CMT	1	1	869	2.3	CRD	11.5
8	CMT	1	1	454	1.4	CRD	7.5
9	CMT	1	1	366	1.5	CSH	7.5
10	CMT	1	1	252	0.6	CSH	5
11	CMT	1	1	314	1.2	CRD	6
12	CMT	1	1	480	0.7	CRD	7
13	CMT	1	1	386	1.3	CRD	7
14	CMT	1	2	351	0.8	CSH	5.5
15	CMT	1	1	407	1.1	CSH	7
16	CMT	1	2	970	5.6	CSH	19
17	CMT	1	3	371	0.6	CRD	6
18	CMT	1	2	367	1.3	CSH	6.5
19	CMT	1	1	621	1.7	CSH	9
20	CMT	1	1	243	0.6	CSH	4.5
21	CMT	2	1	3	0	NOC	52
22	CMT	1	3	485	0.8	CSH	6.5
23	CMT	1	1	88	0.4	CSH	3.5
24	CMT	1	2	160	0.6	CSH	4.5
25	CMT	1	2	596	1.4	CSH	8.5
26	CMT	1	1	270	0.8	CSH	5.5
27	CMT	1	1	1728	9.8	CRD	32
28	CMT	1	1	493	1.4	CSH	8.5
29	CMT	1	1	655	1.4	CSH	8.5
30	CMT	1	1	571	2	CRD	9
31	CMT	1	2	144	0.5	CRD	4
32	CMT	1	1	453	1.3	CSH	7
33	CMT	1	2	1074	3.8	CSH	16
34	CMT	1	1	470	1.4	CRD	7.5
35	CMT	1	1	821	2.5	CSH	11.5
36	CMT	1	2	539	1.4	CSH	8
37	CMT	1	1	397	0.4	CRD	5.5
38	CMT	1	1	223	0.8	CSH	5
39	CMT	1	1	457	1	CSH	7

This is just simple package from SSIS.

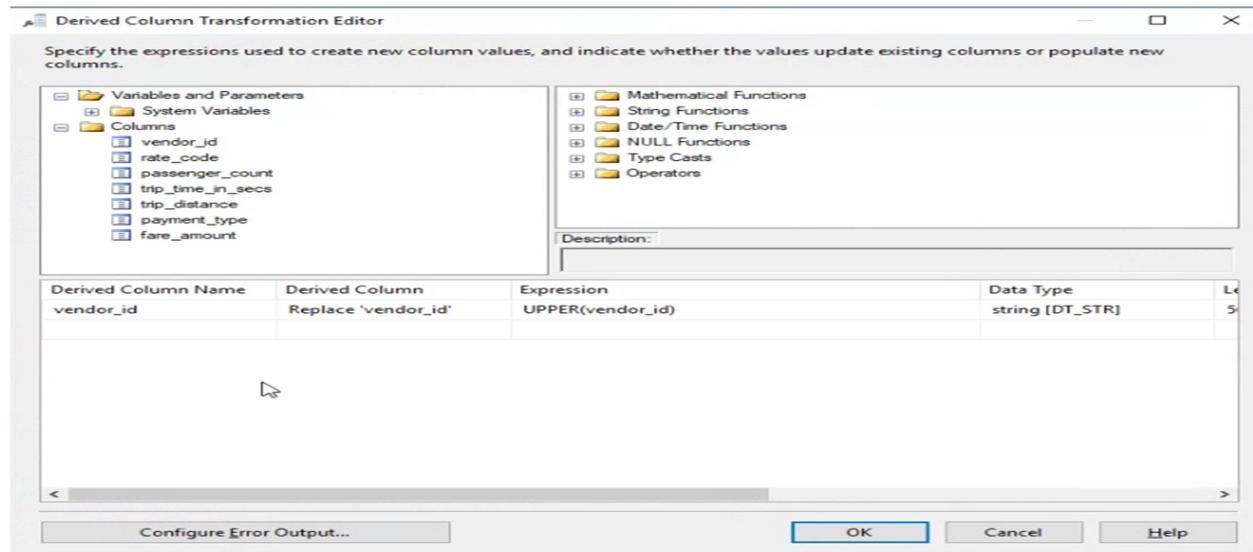
Data Conversion OR Derived Column

For this we are continuing with our old project just Delete or truncate table where you your data has been store.

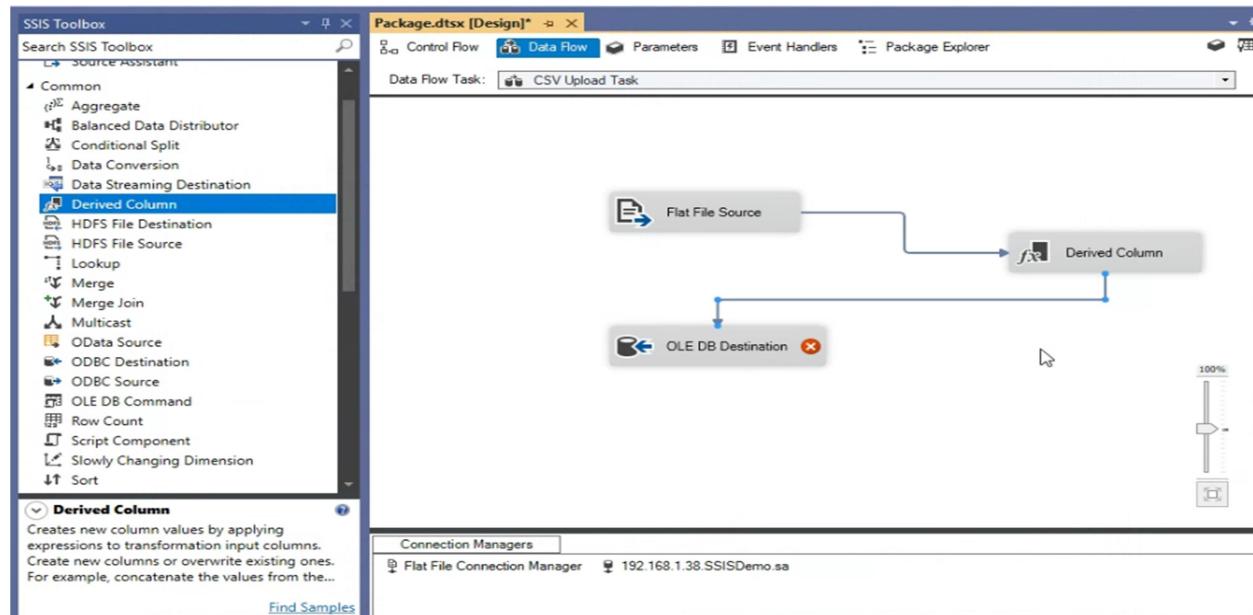
Step 16: For Derived column means we are making new column or replace old column data with new derived data. It can concatenate of two strings, do upper case of value, etc. for that select Derived Column from toolset and drag and drop. Now make connection with our flat file source.



Step 16: As usual right click on tool a you can see there is two menus are there variable and Columns. As of now we are using columns data for derived data. Select column and write that column or just drag that column to below table section. After selecting that you can write your expression Like here I am doing Uppercase of my data so I have write UPPER([Column Name])



Step 17: Click on OK button after that from that derived Tool have two arrows first one for success data and second one for error part. With this success arrow make connection with OLE Database and make your connection with database select table.



Step 17: After making connection with database you can run your package and check your database. All Correct data has been inserted into your table.

The screenshot shows the SSMS interface with two tabs open: 'SQLQuery3.sql' and 'SQLQuery2.sql'. The 'Results' tab is selected, displaying the output of the following query:

```
select * from RideDetail
```

The results are presented in a grid table with the following columns:

	vendor_id	rate_code	passenger_count	trip_time_in_secs	trip_distance	payment_type	fare_amount
1	cmt	1	1	1271	3.8	CRD	17.5
2	CMT	1	1	474	1.5	CRD	8
3	CMT	1	1	637	1.4	CRD	8.5
4	CMT	1	1	181	0.6	CSH	4.5
5	CMT	1	1	661	1.1	CRD	8.5
6	CMT	1	1	935	9.6	CSH	27.5
7	CMT	1	1	869	2.3	CRD	11.5
8	CMT	1	1	454	1.4	CRD	7.5
9	CMT	1	1	366	1.5	CSH	7.5
10	CMT	1	1	252	0.6	CSH	5
11	CMT	1	1	314	1.2	CRD	6
12	CMT	1	1	480	0.7	CRD	7
13	CMT	1	1	386	1.3	CRD	7
14	CMT	1	2	351	0.8	CSH	5.5
15	CMT	1	1	407	1.1	CSH	7
16	CMT	1	2	970	5.6	CSH	19
17	CMT	1	3	371	0.6	CRD	6
18	CMT	1	2	367	1.3	CSH	6.5
19	CMT	1	1	621	1.7	CSH	9
20	CMT	1	1	243	0.6	CSH	4.5
21	CMT	2	1	3	0	NOC	52
22	CMT	1	3	485	0.8	CSH	6.5
23	CMT	1	1	88	0.4	CSH	3.5
24	CMT	1	2	160	0.6	CSH	4.5
25	CMT	1	2	596	1.4	CSH	8.5
26	CMT	1	1	270	0.8	CSH	5.5
27	CMT	1	1	1728	9.8	CRD	32
28	CMT	1	1	493	1.4	CSH	8.5
29	CMT	1	1	655	1.4	CSH	8.5
30	CMT	1	1	571	2	CRD	9
31	CMT	1	2	144	0.5	CRD	4
32	CMT	1	1	453	1.3	CSH	7
33	CMT	1	2	1074	3.8	CSH	16
34	CMT	1	1	470	1.4	CRD	7.5
35	CMT	1	1	821	2.5	CSH	11.5
36	CMT	1	2	539	1.4	CSH	8
37	CMT	1	1	397	0.4	CRD	5.5
38	CMT	1	1	223	0.8	CSH	5
39	CMT	1	1	457	1	CSH	7