

Assignment 3 Power Query Editor

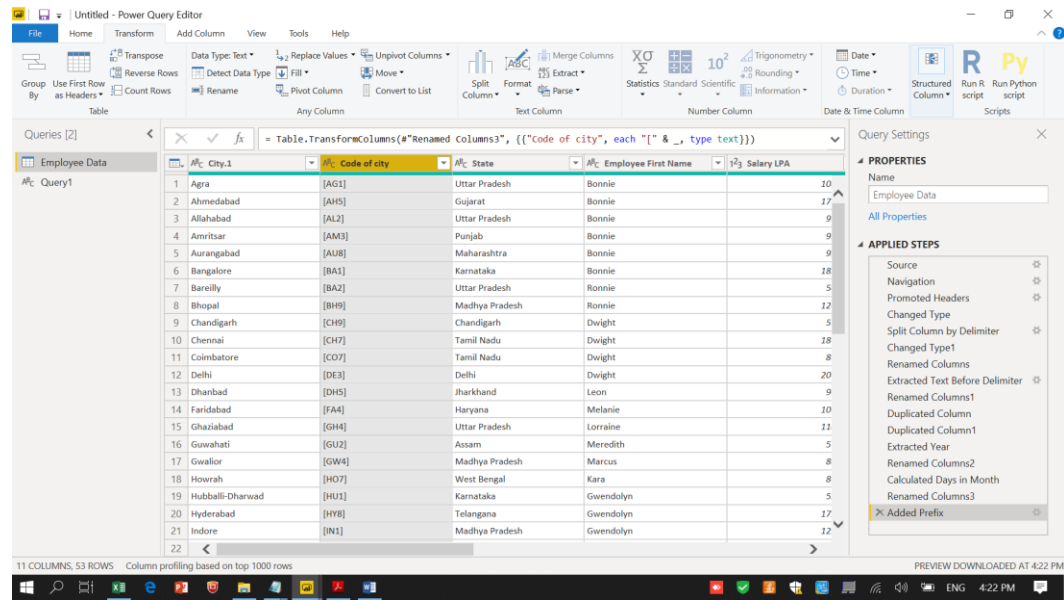
- Use the Employee Details dataset and perform the following activities: -

– Split the Column CITY and separate the code associate with each city like - Allahabad [AL2] should be only Allahabad and [A2] will be separate.

Following are the steps for splitting a column

- Take Power Query editor
- Select the Column City, click **split column** from **Home** menu and select the option **“split by delimiter”**
- Then a window will come to specify the delimiter
- Specify **“[”** in that column
- Click the option **“Each occurrences of delimiter “** in split at part
- Then click on ok button
- Column separate the code
- Rename the column name with code by double clicking the new separated column
- In separated column, the values do not contain opening **“[”**
- To include that part, click **transform** menu, then click on **format** tab, then select **Prefix** option and give opening **“[”** and click on ok

Below is the picture of split the column



– Extract the first name from EMPLOYEE NAME column and transform the column.

Steps for Extract the first name from EMPLOYEE NAME column

- **Select employee name column**
- **Select Extract tab from transform menu**
- **From Extract ,select the option “Text before Delimiter”**
- **Then a window will come**
- **Specify the delimiter by pressing space bar then click on ok button**
- **The employee name column shows first name of all employees**
- **Rename the column as “Employee first name” by double clicking that column**

Screen shot of that EMPLOYEE NAME column

The screenshot shows the Power Query Editor interface. The main area displays a table with the following data:

State	Employee First Name	Salary LPA	Variable	Incentive
Ir Pradesh	Bonnie	1080000	14800	8
arat	Bonnie	1770000	14200	9
Ir Pradesh	Bonnie	910000	13700	9
jab	Bonnie	930000	14000	9
harashtra	Bonnie	950000	16700	9
kataka	Bonnie	1820000	14100	7
Ir Pradesh	Ronnie	500000	17100	1
hya Pradesh	Ronnie	1260000	6000	1
ndigarh	Dwight	570000	14400	16
il Nadu	Dwight	1860000	12100	13
il Nadu	Dwight	860000	18800	11
il	Dwight	2060000	11400	15
khand	Leon	940000	10200	6
yana	Melanie	1060000	15100	8
Ir Pradesh	Lorraine	1100000	10100	3
im	Meredith	570000	19000	10
hya Pradesh	Marcus	800000	20200	11
it Bengal	Kara	860000	14900	10
kataka	Gwendolyn	520000	16000	9
ngana	Gwendolyn	1790000	12000	13
hya Pradesh	Gwendolyn	1290000	13300	10

The right-hand pane shows the 'Query Settings' for 'Employee Data'. The 'APPLIED STEPS' list includes: Source, Navigation, Promoted Headers, Changed Type, Split Column by Delimiter, Changed Type1, Renamed Columns, Extracted Text Before Delimiter, Renamed Columns1, Duplicated Column, Duplicated Column1, Extracted Year, Renamed Columns2, Calculated Days in Month, Renamed Columns3, and Added Prefix.

– Using the JOINING DATE column extract the Year and no. of days for that month.

Steps are given below

- Select Joining Date column
- Select duplicate column By right clicking the joining date column
- Select duplicate column ,right click and select **transform**
- From transform select **year** ,and again select **year** option from **year**
- Rename that column as Year

Steps for extracting no.of days of Month

- Select Joining Date column
- Select duplicate column By right clicking the joining date column
- Select duplicate column ,right click and select **transform**
- From transform select **Month** ,and again select **days in Month** option from **Month**
- Rename that column as Days in Month

Here is the screen shot

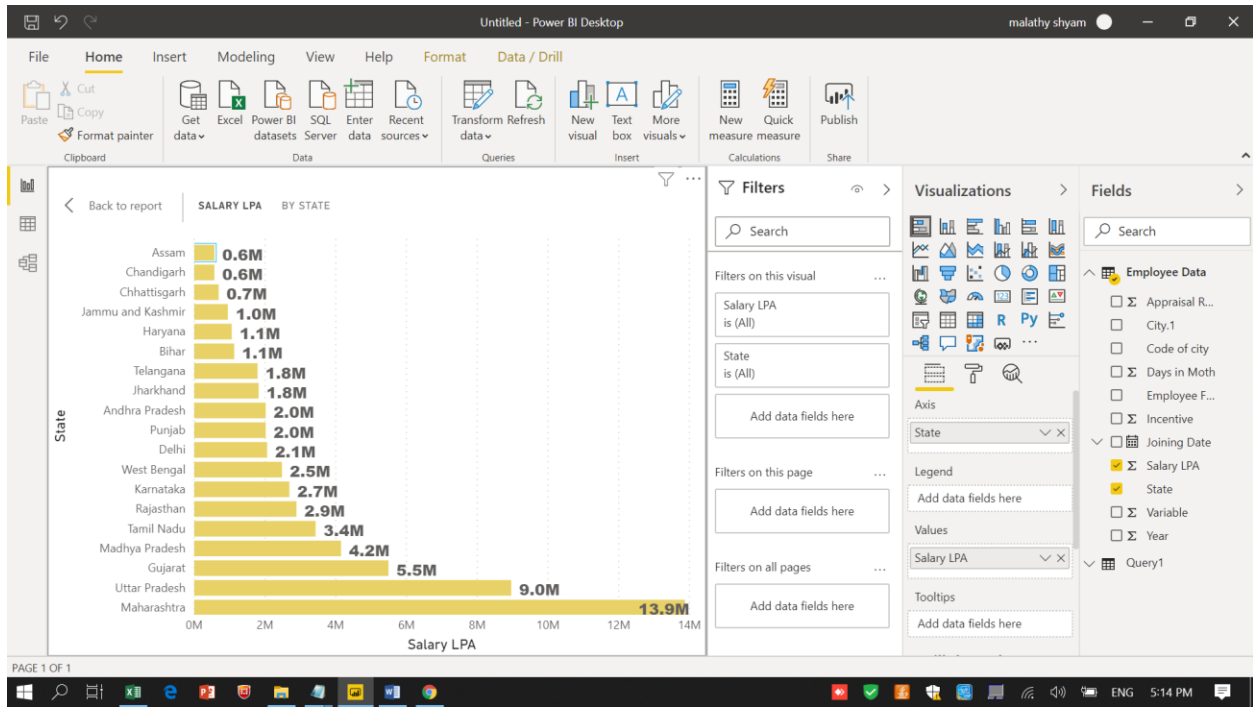
Microsoft Power Query Editor interface showing a table with columns: Incentive, Appraisal Rate, Joining Date, Year, Days in Month. The table contains 22 rows of data. The right-hand pane shows the 'PROPERTIES' and 'APPLIED STEPS' sections. The 'APPLIED STEPS' list includes: Source, Navigation, Promoted Headers, Changed Type, Split Column by Delimiter, Changed Type1, Renamed Columns, Extracted Text Before Delimiter, Renamed Columns1, Duplicated Column, Duplicated Column1, Extracted Year, Renamed Columns2, Calculated Days in Month, and Renamed Columns3. The bottom status bar indicates '11 COLUMNS, 53 ROWS' and 'Column profiling based on top 1000 rows'.

	Incentive	Appraisal Rate	Joining Date	Year	Days in Month
1	8.3	7.2	05-Nov-16	2016	30
2	9.3	9.6	26-Aug-16	2016	31
3	9.4	10.2	27-Jan-17	2017	31
4	9.2	10.7	12-Dec-15	2015	31
5	9.4	9.6	08-Apr-15	2015	30
6	7.9	9.5	26-Mar-16	2016	31
7	10	11.1	20-Nov-15	2015	30
8	10	10.3	14-Apr-17	2017	30
9	16.8	7.4	11-Jan-16	2016	31
10	13.6	9.7	17-Jun-16	2016	30
11	11.3	8.2	21-Oct-15	2015	31
12	15.2	8.3	07-Apr-15	2015	30
13	6.7	8.9	19-May-15	2015	31
14	8.3	7.1	11-May-16	2016	31
15	3.6	8.4	09-Jun-16	2016	30
16	10.8	9.2	19-Jul-16	2016	31
17	11.9	8.9	12-Apr-15	2015	30
18	10.9	10.3	05-Mar-17	2017	31
19	9.8	9.9	12-Jan-17	2017	31
20	13.7	9.2	20-Feb-15	2015	28
21	10.3	8.7	09-Mar-17	2017	31
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– Create a visual of your choice and show the how much salary has been paid to Each state and which state has lowest payout.

- After doing above, click close and apply
- What are the changes we done will be applied and come back to Power BI Desktop
- Select Report view
- Double click Stacked Bart chart from Visualizations
- Drag and drop States in Axis column and Salary in values section
- Change the colors of bars and make a sort as “ascending order”
- I sorted as ascending order to get the state has lowest pay out

Screen shot of Stacked Bar



- From above visual, we can get the information about the salary has been paid to each states.
- Lowest salary has been paid to **Assam and Chandigarh, 0.6 M**