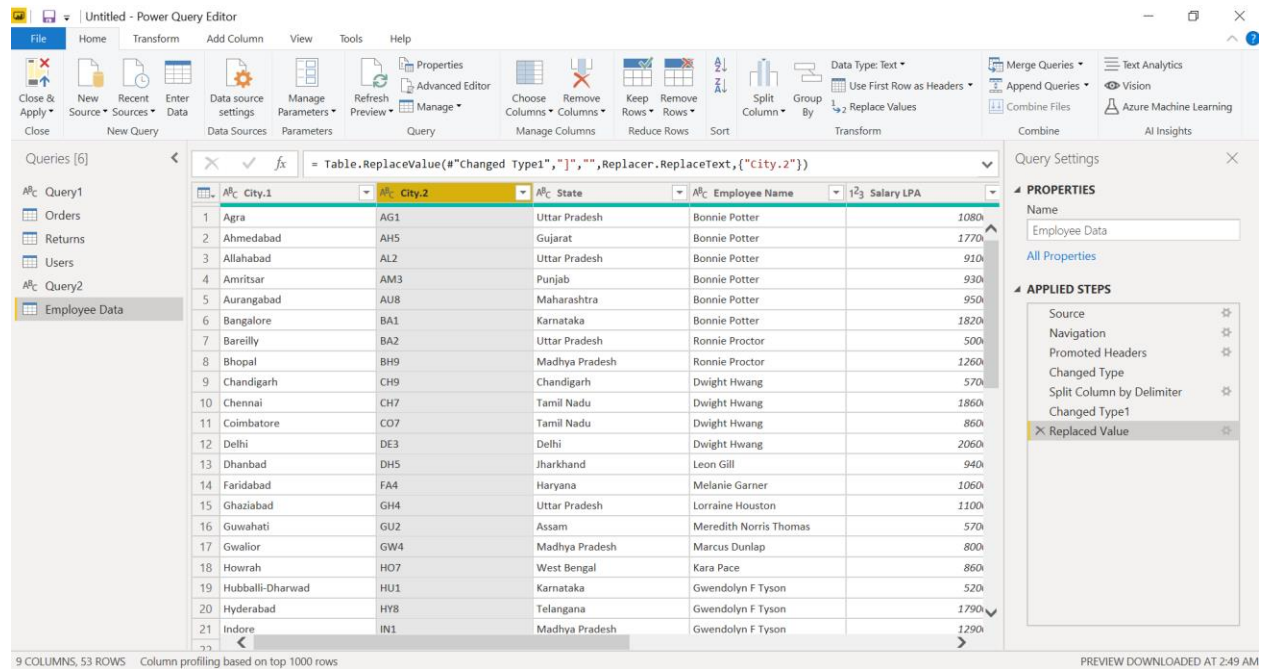


Assignment – 3 • Use the Employee Details dataset and perform the following activities: -

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



Power Query Editor - Untitled - Power Query Editor

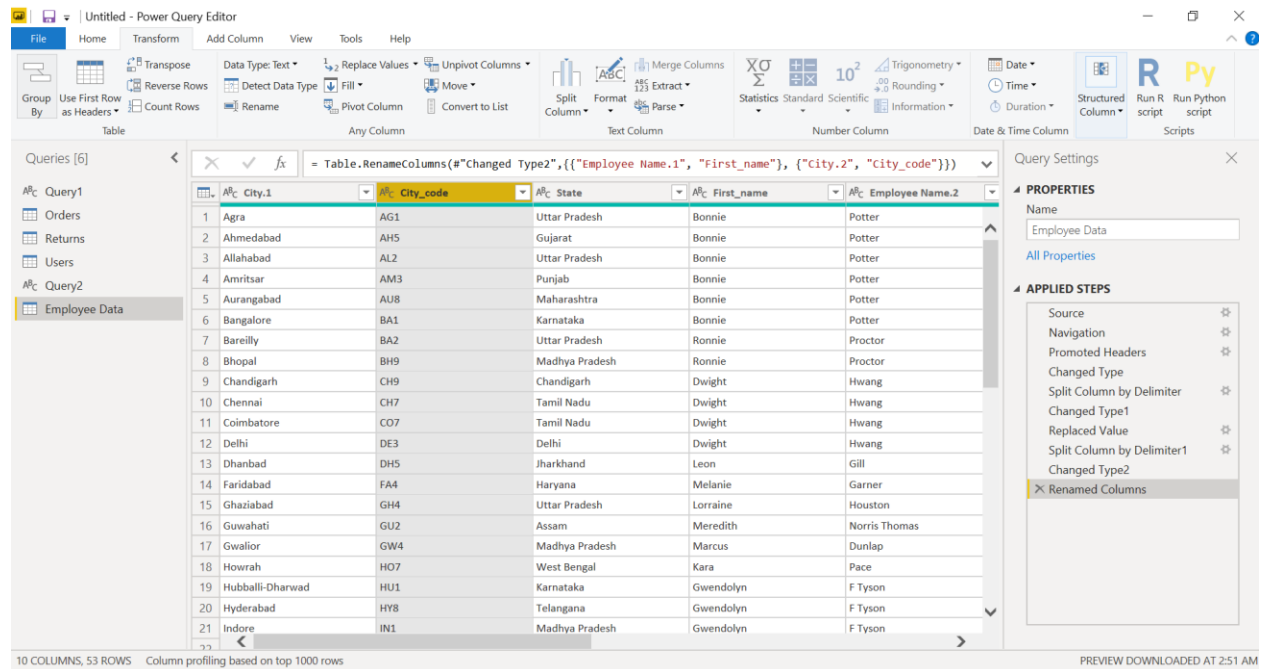
Formula Bar: `= Table.ReplaceValue(#'Changed Type1', ' ', '', Replacer.ReplaceText, {'City.2'})`

City.1	City.2	State	Employee Name	Salary LPA	
1	Agra	AG1	Uttar Pradesh	Bonnie Potter	1080
2	Ahmedabad	AH5	Gujarat	Bonnie Potter	1770
3	Allahabad	AL2	Uttar Pradesh	Bonnie Potter	910
4	Amritsar	AM3	Punjab	Bonnie Potter	930
5	Aurangabad	AU8	Maharashtra	Bonnie Potter	950
6	Bangalore	BA1	Karnataka	Bonnie Potter	1820
7	Bareilly	BA2	Uttar Pradesh	Ronnie Proctor	500
8	Bhopal	BH9	Madhya Pradesh	Ronnie Proctor	1260
9	Chandigarh	CH9	Chandigarh	Dwight Hwang	570
10	Chennai	CH7	Tamil Nadu	Dwight Hwang	1860
11	Coimbatore	CO7	Tamil Nadu	Dwight Hwang	860
12	Delhi	DE3	Delhi	Dwight Hwang	2060
13	Dhanbad	DH5	Jharkhand	Leon Gill	940
14	Faridabad	FA4	Haryana	Melanie Garner	1060
15	Ghaziabad	GH4	Uttar Pradesh	Lorraine Houston	1100
16	Guwahati	GU2	Assam	Meredith Norris Thomas	570
17	Gwalior	GW4	Madhya Pradesh	Marcus Dunlap	800
18	Howrah	HO7	West Bengal	Kara Pace	860
19	Hubballi-Dharwad	HU1	Karnataka	Gwendolyn F Tyson	520
20	Hyderabad	HY8	Telangana	Gwendolyn F Tyson	1790
21	Indore	IN1	Madhya Pradesh	Gwendolyn F Tyson	1290

9 COLUMNS, 53 ROWS Column profiling based on top 1000 rows

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



Power Query Editor - Untitled - Power Query Editor

Formula Bar: `= Table.RenameColumns(#'Changed Type2', {'Employee Name.1', 'First_name'}, {'City.2', 'City_code'})`

City.1	City_code	State	First_name	Employee Name.2
1	Agra	Uttar Pradesh	Bonnie	Potter
2	Ahmedabad	Gujarat	Bonnie	Potter
3	Allahabad	Uttar Pradesh	Bonnie	Potter
4	Amritsar	Punjab	Bonnie	Potter
5	Aurangabad	Maharashtra	Bonnie	Potter
6	Bangalore	Karnataka	Bonnie	Potter
7	Bareilly	Uttar Pradesh	Ronnie	Proctor
8	Bhopal	Madhya Pradesh	Ronnie	Proctor
9	Chandigarh	Chandigarh	Dwight	Hwang
10	Chennai	Tamil Nadu	Dwight	Hwang
11	Coimbatore	Tamil Nadu	Dwight	Hwang
12	Delhi	Delhi	Dwight	Hwang
13	Dhanbad	Jharkhand	Leon	Gill
14	Faridabad	Haryana	Melanie	Garner
15	Ghaziabad	Uttar Pradesh	Lorraine	Houston
16	Guwahati	Assam	Meredith	Norris Thomas
17	Gwalior	Madhya Pradesh	Marcus	Dunlap
18	Howrah	West Bengal	Kara	Pace
19	Hubballi-Dharwad	Karnataka	Gwendolyn	F Tyson
20	Hyderabad	Telangana	Gwendolyn	F Tyson
21	Indore	Madhya Pradesh	Gwendolyn	F Tyson

10 COLUMNS, 53 ROWS Column profiling based on top 1000 rows

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

Power Query Editor interface showing a table with columns: Incentive, Appraisal Rate, Joining Date, Year, and No_days_month. The formula bar shows a transformation: `Table.TransformColumns(#\"Renamed Columns2\",{{\"No_days_month\", Date.DaysInMonth, Int64.Type}})`. The right pane shows the 'APPLIED STEPS' list.

Incentive	Appraisal Rate	Joining Date	Year	No_days_month	
1	8.3	7.2	11/5/2016	2016	30
2	9.3	9.6	8/26/2016	2016	31
3	9.4	10.2	1/27/2017	2017	31
4	9.2	10.7	12/12/2015	2015	31
5	9.4	9.6	4/8/2015	2015	30
6	7.9	9.5	3/26/2016	2016	31
7	10	11.1	11/20/2015	2015	30
8	10	10.3	4/14/2017	2017	30
9	16.8	7.4	1/11/2016	2016	31
10	13.6	9.7	6/17/2016	2016	30
11	11.3	8.2	10/21/2015	2015	31
12	15.2	8.3	4/7/2015	2015	30
13	6.7	8.9	5/19/2015	2015	31
14	8.3	7.1	5/11/2016	2016	31
15	3.6	8.4	6/9/2016	2016	30
16	10.8	9.2	7/19/2016	2016	31
17	11.9	8.9	4/12/2015	2015	30
18	10.9	10.3	3/5/2017	2017	31
19	9.8	9.9	1/12/2017	2017	31
20	13.7	9.2	2/20/2015	2015	28
21	10.3	8.7	3/9/2017	2017	31

– Create a visual of your choice and show the how much salary has been paid to each state and which state has lowest payout.

Power BI Desktop interface showing a bar chart titled 'Salary LPA by State' and a pie chart titled 'Salary LPA by State'. The bar chart shows salary ranges for various states, with Maharashtra having the highest salary (9M) and Chhattisgarh having the lowest (1M). The pie chart shows the distribution of salary ranges across states. The right pane shows the 'Visualizations' and 'Fields' panes.

State	Salary LPA
Maharashtra	9M
Uttar Pradesh	4M
Gujarat	3M
Madhya Pradesh	2M
Tamil Nadu	2M
Rajasthan	2M
Karnataka	2M
West Bengal	1M
Delhi	1M
Andhra Pradesh	1M
Punjab	1M
Jharkhand	1M
Telangana	1M
Bihar	1M
Haryana	1M
Jammu and Kashmir	1M
Chhattisgarh	1M
Assam	1M
Chandigarh	1M