

# BIT – Assignment 3 – iNeuron

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 screenshot showing the initial data table with columns: Variable, Incentive, Appraisal Rate, Joining Date, and City - Copy. The formula bar shows the transformation: `= Table.TransformColumns(#"Duplicated Column", {"City - Copy", each Text.BeforeDelimiter(_, "[", type text)})`. The right pane shows the Applied Steps: Source, Navigation, Promoted Headers, Changed Type, Duplicated Column, and Extracted Text Before Delimiter.

	Variable	Incentive	Appraisal Rate	Joining Date	City - Copy
1	1080000	14800	8.3	05-11-2016	Agra
2	1770000	14200	9.3	26-08-2016	Ahmedabad
3	910000	13700	9.4	27-01-2017	Allahabad
4	930000	14000	9.2	12-12-2015	Amritsar
5	950000	16700	9.4	08-04-2015	Aurangabad
6	1820000	14100	7.9	26-03-2016	Bangalore
7	500000	17100	10	20-11-2015	Bareilly
8	1260000	6000	10	14-04-2017	Bhopal
9	570000	14400	16.8	11-01-2016	Chandigarh
10	1860000	12100	13.6	17-06-2016	Chennai
11	860000	18800	11.3	21-10-2015	Coimbatore
12	2060000	11400	15.2	07-04-2015	Delhi
13	940000	10200	6.7	19-05-2015	Dhanbad
14	1060000	15100	8.3	11-05-2016	Faridabad
15	1100000	10100	3.6	09-06-2016	Ghaziabad
16	570000	19000	10.8	19-07-2016	Guwahati
17	800000	20200	11.9	12-04-2015	Gwalior
18	860000	14900	10.9	05-03-2017	Howrah
19	520000	16000	9.8	12-01-2017	Hubballi-Dharwad
20	1790000	12000	13.7	20-02-2015	Hyderabad
21	1290000	13300	10.3	09-03-2017	Indore
22	800000	15300	11.6	30-09-2016	Jabalpur
23	1520000	8000	13.8	20-09-2016	Jaipur

Power Query Editor screenshot showing the transformed data table with columns: Incentive, Appraisal Rate, Joining Date, City - Copy, and City - Copy.1. The formula bar shows the transformation: `= Table.TransformColumns(#"Duplicated Column1", {"City - Copy.1", each Text.End(_, 5), type text})`. The right pane shows the Applied Steps: Source, Navigation, Promoted Headers, Changed Type, Duplicated Column, Extracted Text Before Delimiter, Duplicated Column1, and Extracted Last Characters.

	Incentive	Appraisal Rate	Joining Date	City - Copy	City - Copy.1
1	14800	8.3	05-11-2016	Agra	[AG1]
2	14200	9.3	26-08-2016	Ahmedabad	[AH5]
3	13700	9.4	27-01-2017	Allahabad	[AL2]
4	14000	9.2	12-12-2015	Amritsar	[AM3]
5	16700	9.4	08-04-2015	Aurangabad	[AU8]
6	14100	7.9	26-03-2016	Bangalore	[BA1]
7	17100	10	20-11-2015	Bareilly	[BA2]
8	6000	10	14-04-2017	Bhopal	[BH9]
9	14400	16.8	11-01-2016	Chandigarh	[CH9]
10	12100	13.6	17-06-2016	Chennai	[CH7]
11	18800	11.3	21-10-2015	Coimbatore	[CO7]
12	11400	15.2	07-04-2015	Delhi	[DE3]
13	10200	6.7	19-05-2015	Dhanbad	[DH5]
14	15100	8.3	11-05-2016	Faridabad	[FA4]
15	10100	3.6	09-06-2016	Ghaziabad	[GH4]
16	19000	10.8	19-07-2016	Guwahati	[GU2]
17	20200	11.9	12-04-2015	Gwalior	[GW4]
18	14900	10.9	05-03-2017	Howrah	[HO7]
19	16000	9.8	12-01-2017	Hubballi-Dharwad	[HU1]
20	12000	13.7	20-02-2015	Hyderabad	[HY8]
21	13300	10.3	09-03-2017	Indore	[IN1]
22	15300	11.6	30-09-2016	Jabalpur	[JA9]
23	8000	13.8	20-09-2016	Jaipur	[JA6]

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

Power Query Editor interface showing the transformation of the 'First Name' column. The formula bar displays: `= Table.TransformColumns(#"Renamed Columns", {{("First Name", each Text.BeforeDelimiter(_, " ", type text))}}`

	Appraisal Rate	Joining Date	City Name	City Code	First Name	
1	8.3	7.2	05-11-2016	Agra	[AG1]	Bonnie
2	9.3	9.6	26-08-2016	Ahmedabad	[AH5]	Bonnie
3	9.4	10.2	27-01-2017	Allahabad	[AL2]	Bonnie
4	9.2	10.7	12-12-2015	Amritsar	[AM3]	Bonnie
5	9.4	9.6	08-04-2015	Aurangabad	[AU8]	Bonnie
6	7.9	9.5	26-03-2016	Bangalore	[BA1]	Bonnie
7	10	11.1	20-11-2015	Bareilly	[BA2]	Ronnie
8	10	10.3	14-04-2017	Bhopal	[BH9]	Ronnie
9	16.8	7.4	11-01-2016	Chandigarh	[CH9]	Dwight
10	13.6	9.7	17-06-2016	Chennai	[CH7]	Dwight
11	11.3	8.2	21-10-2015	Coimbatore	[CO7]	Dwight
12	15.2	8.3	07-04-2015	Delhi	[DE3]	Dwight
13	6.7	8.9	19-05-2015	Dhanbad	[DH5]	Leon
14	8.3	7.1	11-05-2016	Faridabad	[FA4]	Melanie
15	3.6	8.4	09-06-2016	Ghaziabad	[GH4]	Lorraine
16	10.8	9.2	19-07-2016	Guwahati	[GU2]	Meredith
17	11.9	8.9	12-04-2015	Gwalior	[GW4]	Marcus
18	10.9	10.3	05-03-2017	Howrah	[HO7]	Kara
19	9.8	9.9	12-01-2017	Hubballi-Dharwad	[HU1]	Gwendolyn
20	13.7	9.2	20-02-2015	Hyderabad	[HY8]	Gwendolyn
21	10.3	8.7	09-03-2017	Indore	[IN1]	Gwendolyn
22	11.6	8.3	30-09-2016	Jabalpur	[JA9]	Gwendolyn
23	13.8	10	20-09-2016	Jaipur	[JA6]	Gwendolyn

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

Power Query Editor interface showing the transformation of the 'Joining Date' column. The formula bar displays: `= Table.TransformColumns(#"Renamed Columns1", {{("Year", Date.Year, Int64.Type)}}`

	Joining Date	City Name	City Code	First Name	Year	
1	7.2	05-11-2016	Agra	[AG1]	Bonnie	2016
2	9.6	26-08-2016	Ahmedabad	[AH5]	Bonnie	2016
3	10.2	27-01-2017	Allahabad	[AL2]	Bonnie	2017
4	10.7	12-12-2015	Amritsar	[AM3]	Bonnie	2015
5	9.6	08-04-2015	Aurangabad	[AU8]	Bonnie	2015
6	9.5	26-03-2016	Bangalore	[BA1]	Bonnie	2016
7	11.1	20-11-2015	Bareilly	[BA2]	Ronnie	2015
8	10.3	14-04-2017	Bhopal	[BH9]	Ronnie	2017
9	7.4	11-01-2016	Chandigarh	[CH9]	Dwight	2016
10	9.7	17-06-2016	Chennai	[CH7]	Dwight	2016
11	8.2	21-10-2015	Coimbatore	[CO7]	Dwight	2015
12	8.3	07-04-2015	Delhi	[DE3]	Dwight	2015
13	8.9	19-05-2015	Dhanbad	[DH5]	Leon	2015
14	7.1	11-05-2016	Faridabad	[FA4]	Melanie	2016
15	8.4	09-06-2016	Ghaziabad	[GH4]	Lorraine	2016
16	9.2	19-07-2016	Guwahati	[GU2]	Meredith	2016
17	8.9	12-04-2015	Gwalior	[GW4]	Marcus	2015
18	10.3	05-03-2017	Howrah	[HO7]	Kara	2017
19	9.9	12-01-2017	Hubballi-Dharwad	[HU1]	Gwendolyn	2017
20	9.2	20-02-2015	Hyderabad	[HY8]	Gwendolyn	2015
21	8.7	09-03-2017	Indore	[IN1]	Gwendolyn	2017
22	8.3	30-09-2016	Jabalpur	[JA9]	Gwendolyn	2016
23	10	20-09-2016	Jaipur	[JA6]	Gwendolyn	2016

Untitled - Power Query Editor

HomeTransformAdd ColumnViewToolsHelp

Group By

Use First Row as Headers

Count Rows

Transpose

Reverse Rows

Count Rows

Data Type: Whole Number

Detect Data Type

Rename

Split Column

Format

Parse

Merge Columns

Extract

Parse

Statistics

Standard

Scientific

Trigonometry

Rounding

Information

Date

Time

Duration

Structured Column

Run R script

Run Python script

Table

Text Column

Number Column

Date & Time Column

Queries [1]

Employee Data

Table.TransformColumns(#"Renamed Columns2",{{"No of Days in Month", Date.DaysInMonth, Int64.Type}})

City Name

City Code

First Name

Year

No of Days in Month

1	25-11-2016	Agra	[AG1]	Bonnie	2016	30
2	26-08-2016	Ahmedabad	[AH5]	Bonnie	2016	31
3	27-01-2017	Allahabad	[AL2]	Bonnie	2017	31
4	12-12-2015	Amritsar	[AM3]	Bonnie	2015	31
5	28-04-2015	Aurangabad	[AU8]	Bonnie	2015	30
6	26-03-2016	Bangalore	[BA1]	Bonnie	2016	31
7	20-11-2015	Bareilly	[BA2]	Ronnie	2015	30
8	14-04-2017	Bhopal	[BH9]	Ronnie	2017	30
9	11-01-2016	Chandigarh	[CH9]	Dwight	2016	31
10	17-06-2016	Chennai	[CH7]	Dwight	2016	30
11	21-10-2015	Coimbatore	[CO7]	Dwight	2015	31
12	27-04-2015	Delhi	[DE3]	Dwight	2015	30
13	19-05-2015	Dhanbad	[DH5]	Leon	2015	31
14	11-05-2016	Faridabad	[FA4]	Melanie	2016	31
15	29-06-2016	Ghaziabad	[GH4]	Lorraine	2016	30
16	19-07-2016	Guwahati	[GU2]	Meredith	2016	31
17	12-04-2015	Gwalior	[GW4]	Marcus	2015	30
18	25-03-2017	Howrah	[HO7]	Kara	2017	31
19	12-01-2017	Hubballi-Dharwad	[HU1]	Gwendolyn	2017	31
20	20-02-2015	Hyderabad	[HY8]	Gwendolyn	2015	28
21	29-03-2017	Indore	[IN1]	Gwendolyn	2017	31
22	20-09-2016	Jabalpur	[JA9]	Gwendolyn	2016	30
23	20-09-2016	Jaipur	[JA6]	Gwendolyn	2016	30
24						

Query Settings

PROPERTIES

Name

Employee Data

All Properties

APPLIED STEPS

Source

Navigation

Promoted Headers

Changed Type

Duplicated Column

Extracted Text Before Delimiter

Duplicated Column1

Extracted Last Characters

Duplicated Column2

Renamed Columns

Extracted Text Before Delimit...

Duplicated Column3

Renamed Columns1

Extracted Year

Duplicated Column4

Renamed Columns2

Calculated Days in Month

13 COLUMNS, 53 ROWS

Column profiling based on top 1000 rows

PREVIEW DOWNLOADED AT 10:40

Windows Taskbar

09-05-2020 11:14

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

