

Assignment 3

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

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

| | City | City code | State | Employee Name | Salary LPA | Variable | Incentive |
|----|------------------|-----------|----------------|------------------------|------------|----------|-----------|
| 1 | Agra | AG1 | Uttar Pradesh | Bonnie Potter | 1080000 | 14800 | 14800 |
| 2 | Ahmedabad | AH5 | Gujarat | Bonnie Potter | 1770000 | 14200 | 14200 |
| 3 | Allahabad | AL2 | Uttar Pradesh | Bonnie Potter | 910000 | 13700 | 13700 |
| 4 | Amritsar | AM3 | Punjab | Bonnie Potter | 930000 | 14000 | 14000 |
| 5 | Aurangabad | AU8 | Maharashtra | Bonnie Potter | 950000 | 16700 | 16700 |
| 6 | Bangalore | BA1 | Karnataka | Bonnie Potter | 1820000 | 14100 | 14100 |
| 7 | Bareilly | BA2 | Uttar Pradesh | Ronnie Proctor | 500000 | 17100 | 17100 |
| 8 | Bhopal | BH9 | Madhya Pradesh | Ronnie Proctor | 1260000 | 6000 | 6000 |
| 9 | Chandigarh | CH9 | Chandigarh | Dwight Hwang | 570000 | 14400 | 14400 |
| 10 | Chennai | CH7 | Tamil Nadu | Dwight Hwang | 1860000 | 12100 | 12100 |
| 11 | Coimbatore | CO7 | Tamil Nadu | Dwight Hwang | 860000 | 18800 | 18800 |
| 12 | Delhi | DE3 | Delhi | Dwight Hwang | 2060000 | 11400 | 11400 |
| 13 | Dhanbad | DH5 | Jharkhand | Leon Gill | 940000 | 10200 | 10200 |
| 14 | Faridabad | FA4 | Haryana | Melanie Garner | 1060000 | 15100 | 15100 |
| 15 | Ghaziabad | GH4 | Uttar Pradesh | Lorraine Houston | 1100000 | 10100 | 10100 |
| 16 | Guwahati | GU2 | Assam | Meredith Norris Thomas | 570000 | 19000 | 19000 |
| 17 | Gwalior | GW4 | Madhya Pradesh | Marcus Dunlap | 800000 | 20200 | 20200 |
| 18 | Howrah | HO7 | West Bengal | Kara Pace | 860000 | 14900 | 14900 |
| 19 | Hubballi-Dharwad | HU1 | Karnataka | Gwendolyn F Tyson | 520000 | 16000 | 16000 |
| 20 | Hyderabad | HY8 | Telangana | Gwendolyn F Tyson | 1790000 | 12000 | 12000 |
| 21 | Indore | IN1 | Madhya Pradesh | Gwendolyn F Tyson | 1290000 | 13300 | 13300 |
| 22 | Jabalpur | JA9 | Madhya Pradesh | Gwendolyn F Tyson | 800000 | 15300 | 15300 |
| 23 | Jaipur | JA6 | Rajasthan | Gwendolyn F Tyson | 1520000 | 8000 | 8000 |
| 24 | Jodhpur | JO6 | Rajasthan | Timothy Reese | 770000 | 17500 | 17500 |
| 25 | Kalyan-Dombivli | KA5 | Maharashtra | Timothy Reese | 1020000 | 14700 | 14700 |
| 26 | Kanpur | KA2 | Uttar Pradesh | Timothy Reese | 1440000 | 12300 | 12300 |
| 27 | Kolkata | KO2 | West Bengal | Timothy Reese | 1620000 | 10200 | 10200 |
| 28 | Kota | KO7 | Rajasthan | Timothy Reese | 600000 | 19000 | 19000 |

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

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File Home Transform Add Column View Tools Help

Group By Use First Row as Headers Count Rows

Data Type Text Replace Values Unpivot Columns

Table

Queries [1]

Employee Data

Table.RenameColumns(#"Extracted Text Before Delimiter",{"Employee Name","Employee First Name"})

| | City | City code | State | Employee First Name | Salary LPA | Variable | Incentive |
|----|------------------|-----------|----------------|---------------------|------------|----------|-----------|
| 1 | Agra | AG1 | Uttar Pradesh | Bonnie | 1080000 | 14800 | |
| 2 | Ahmedabad | AH5 | Gujarat | Bonnie | 1770000 | 14200 | |
| 3 | Allahabad | AL2 | Uttar Pradesh | Bonnie | 910000 | 13700 | |
| 4 | Amritsar | AM3 | Punjab | Bonnie | 930000 | 14000 | |
| 5 | Aurangabad | AU8 | Maharashtra | Bonnie | 950000 | 16700 | |
| 6 | Bangalore | BA1 | Karnataka | Bonnie | 1820000 | 14100 | |
| 7 | Bareilly | BA2 | Uttar Pradesh | Ronnie | 500000 | 17100 | |
| 8 | Bhopal | BP9 | Madhya Pradesh | Ronnie | 1260000 | 6000 | |
| 9 | Chandigarh | CH9 | Chandigarh | Dwight | 570000 | 14400 | |
| 10 | Chennai | CH7 | Tamil Nadu | Dwight | 1860000 | 12100 | |
| 11 | Coimbatore | CO7 | Tamil Nadu | Dwight | 860000 | 18800 | |
| 12 | Delhi | DE3 | Delhi | Dwight | 2060000 | 11400 | |
| 13 | Dhanbad | DH5 | Jharkhand | Leon | 940000 | 10200 | |
| 14 | Fardabad | FA4 | Haryana | Melanie | 1060000 | 15100 | |
| 15 | Ghaziabad | GH4 | Uttar Pradesh | Lorraine | 1100000 | 10100 | |
| 16 | Guwahati | GU2 | Assam | Meredith | 570000 | 19000 | |
| 17 | Gwalior | GW4 | Madhya Pradesh | Marcus | 800000 | 20200 | |
| 18 | Howrah | HO7 | West Bengal | Kara | 860000 | 14900 | |
| 19 | Hubballi-Dharwad | HU1 | Karnataka | Gwendolyn | 520000 | 16000 | |
| 20 | Hyderabad | HY8 | Telangana | Gwendolyn | 1790000 | 12000 | |
| 21 | Indore | IN1 | Madhya Pradesh | Gwendolyn | 1290000 | 12300 | |
| 22 | Jabalpur | JA9 | Madhya Pradesh | Gwendolyn | 800000 | 15300 | |
| 23 | Jaipur | JA6 | Rajasthan | Gwendolyn | 1520000 | 8000 | |
| 24 | Jodhpur | JO6 | Rajasthan | Timothy | 770000 | 17500 | |
| 25 | Kalyan-Dombivli | KA5 | Maharashtra | Timothy | 1020000 | 14700 | |
| 26 | Kanpur | KA2 | Uttar Pradesh | Timothy | 1440000 | 12300 | |
| 27 | Kolkata | KO2 | West Bengal | Timothy | 1620000 | 10200 | |
| 28 | Kota | KO7 | Rajasthan | Timothy | 600000 | 19000 | |

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

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

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File Home Transform Add Column View Tools Help

Column From Custom Invoke Custom Function

Conditional Column Index Column Duplicate Column

Table

Queries [1]

Employee Data

Table.AddColumn(#"Inserted Year", "Days in Month", each Date.DaysInMonth([Joining Date]), Int64.Type)

| | Variable | Incentive | Appraisal Rate | Joining Date | Year | Days in Month |
|----|----------|-----------|----------------|--------------|------|---------------|
| 1 | 1080000 | 14800 | 8.3 | 05-11-2016 | 2016 | 30 |
| 2 | 1770000 | 14200 | 9.3 | 26-08-2016 | 2016 | 31 |
| 3 | 910000 | 13700 | 9.4 | 27-01-2017 | 2017 | 31 |
| 4 | 930000 | 14000 | 9.2 | 12-12-2015 | 2015 | 31 |
| 5 | 950000 | 16700 | 9.4 | 08-04-2015 | 2015 | 30 |
| 6 | 1820000 | 14100 | 7.9 | 26-03-2016 | 2016 | 31 |
| 7 | 500000 | 17100 | 10 | 20-11-2015 | 2015 | 30 |
| 8 | 1260000 | 6000 | 10 | 14-04-2017 | 2017 | 30 |
| 9 | 570000 | 14400 | 16.8 | 11-01-2016 | 2016 | 31 |
| 10 | 1860000 | 12100 | 13.6 | 17-06-2016 | 2016 | 30 |
| 11 | 860000 | 18800 | 11.3 | 21-10-2015 | 2015 | 31 |
| 12 | 2060000 | 11400 | 15.2 | 07-04-2015 | 2015 | 30 |
| 13 | 940000 | 10200 | 6.7 | 19-05-2015 | 2015 | 31 |
| 14 | 1060000 | 15100 | 8.3 | 11-05-2016 | 2016 | 31 |
| 15 | 1100000 | 10100 | 3.6 | 09-06-2016 | 2016 | 30 |
| 16 | 570000 | 19000 | 10.8 | 19-07-2016 | 2016 | 31 |
| 17 | 800000 | 20200 | 11.9 | 12-04-2015 | 2015 | 30 |
| 18 | 860000 | 14900 | 10.9 | 05-03-2017 | 2017 | 31 |
| 19 | 520000 | 16000 | 9.8 | 12-01-2017 | 2017 | 31 |
| 20 | 1790000 | 12000 | 13.7 | 20-02-2015 | 2015 | 28 |
| 21 | 1290000 | 13300 | 10.3 | 09-03-2017 | 2017 | 31 |
| 22 | 800000 | 15300 | 11.6 | 30-09-2016 | 2016 | 30 |
| 23 | 1520000 | 8000 | 13.8 | 20-09-2016 | 2016 | 30 |
| 24 | 770000 | 17500 | 9.8 | 14-11-2016 | 2016 | 30 |
| 25 | 1020000 | 14700 | 9.1 | 19-09-2016 | 2016 | 30 |
| 26 | 1440000 | 12300 | 9.3 | 27-12-2016 | 2016 | 31 |
| 27 | 1620000 | 10200 | 14.8 | 19-04-2015 | 2015 | 30 |
| 28 | 600000 | 19000 | 10.8 | 03-11-2015 | 2015 | 30 |

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

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

