

## 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 interface showing the 'Employee Data' query. The formula bar displays the transformation: `Table.ReorderColumns(#"Inserted Text Before Delimiter",{"City", "Text Before Delimiter", "Text Between Delimiters", "State", "Employee Name", "Salary LPA"}`.

|    | City                  | Text Before Delimiter | Text Between Delimiters | State          | Employee Name          | Salary LPA |
|----|-----------------------|-----------------------|-------------------------|----------------|------------------------|------------|
| 1  | Agra[AG1]             | Agra                  | AG1                     | Uttar Pradesh  | Bonnie Potter          | 108        |
| 2  | Ahmedabad[AH5]        | Ahmedabad             | AH5                     | Gujarat        | Bonnie Potter          | 177        |
| 3  | Allahabad[AL2]        | Allahabad             | AL2                     | Uttar Pradesh  | Bonnie Potter          | 91         |
| 4  | Amritsar[AM3]         | Amritsar              | AM3                     | Punjab         | Bonnie Potter          | 93         |
| 5  | Aurangabad[AU8]       | Aurangabad            | AU8                     | Maharashtra    | Bonnie Potter          | 95         |
| 6  | Bangalore[BA1]        | Bangalore             | BA1                     | Karnataka      | Bonnie Potter          | 182        |
| 7  | Bareilly[BA2]         | Bareilly              | BA2                     | Uttar Pradesh  | Ronnie Proctor         | 50         |
| 8  | Bhopal[BH9]           | Bhopal                | BH9                     | Madhya Pradesh | Ronnie Proctor         | 126        |
| 9  | Chandigarh[CH9]       | Chandigarh            | CH9                     | Chandigarh     | Dwight Hwang           | 57         |
| 10 | Chennai[CH7]          | Chennai               | CH7                     | Tamil Nadu     | Dwight Hwang           | 186        |
| 11 | Coimbatore[CO7]       | Coimbatore            | CO7                     | Tamil Nadu     | Dwight Hwang           | 86         |
| 12 | Delhi[DE3]            | Delhi                 | DE3                     | Delhi          | Dwight Hwang           | 206        |
| 13 | Dhanbad[DH5]          | Dhanbad               | DH5                     | Jharkhand      | Leon Gill              | 94         |
| 14 | Faridabad[FA4]        | Faridabad             | FA4                     | Haryana        | Melanie Garner         | 106        |
| 15 | Ghaziabad[GH4]        | Ghaziabad             | GH4                     | Uttar Pradesh  | Lorraine Houston       | 110        |
| 16 | Guwahati[GU2]         | Guwahati              | GU2                     | Assam          | Meredith Norris Thomas | 57         |
| 17 | Gwalior[GW4]          | Gwalior               | GW4                     | Madhya Pradesh | Marcus Dunlap          | 80         |
| 18 | Howrah[HO7]           | Howrah                | HO7                     | West Bengal    | Kara Pace              | 86         |
| 19 | Hubballi-Dharwad[HU1] | Hubballi-Dharwad      | HU1                     | Karnataka      | Gwendolyn F Tyson      | 52         |
| 20 | Hyderabad[HY8]        | Hyderabad             | HY8                     | Telangana      | Gwendolyn F Tyson      | 179        |
| 21 | Indore[IN1]           | Indore                | IN1                     | Madhya Pradesh | Gwendolyn F Tyson      | 129        |
| 22 | Jabalpur[JA9]         | Jabalpur              | JA9                     | Madhya Pradesh | Gwendolyn F Tyson      | 80         |
| 23 | Jaipur[JA6]           | Jaipur                | JA6                     | Rajasthan      | Gwendolyn F Tyson      | 152        |

10 COLUMNS, 53 ROWS

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

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File Home Transform Add Column View Help

Group By Use First Row as Headers Count Rows Table

Transpose Reverse Rows

Data Type: Text Detect Data Type Fill Pivot Column Convert to List Any Column

Replace Values Unpivot Columns Move Split Column Format Parse Text Column

Merge Columns Statistics Standard Scientific Information Number Column

Date Time Duration Date & Time Column

Structured Column Run R Script Run Python Script

Queries [1]

Employee Data

Table.TransformColumns(#"Reordered Columns2", {"Employee Name", each Text.BeforeDelimiter(\_, " "), type text})

|    | 1.0 Text Between Delimiters | 1.0 State      | 1.0 Employee Name | 1.0 Salary LPA | 1.0 Variable | 1.0 Incentive | 1.0 Appraisal Rate |
|----|-----------------------------|----------------|-------------------|----------------|--------------|---------------|--------------------|
| 1  | AG1                         | Uttar Pradesh  | Bonnie            | 1080000        | 14800        | 8.3           |                    |
| 2  | AH5                         | Gujarat        | Bonnie            | 1770000        | 14200        | 9.3           |                    |
| 3  | AL2                         | Uttar Pradesh  | Bonnie            | 910000         | 13700        | 9.4           |                    |
| 4  | AM3                         | Punjab         | Bonnie            | 930000         | 14000        | 9.2           |                    |
| 5  | AU8                         | Maharashtra    | Bonnie            | 950000         | 16700        | 9.4           |                    |
| 6  | BA1                         | Karnataka      | Bonnie            | 1820000        | 14100        | 7.9           |                    |
| 7  | BA2                         | Uttar Pradesh  | Ronnie            | 500000         | 17100        | 10            |                    |
| 8  | BH9                         | Madhya Pradesh | Ronnie            | 1260000        | 6000         | 10            |                    |
| 9  | CH9                         | Chandigarh     | Dwight            | 570000         | 14400        | 16.8          |                    |
| 10 | CH7                         | Tamil Nadu     | Dwight            | 1860000        | 12100        | 13.6          |                    |
| 11 | CO7                         | Tamil Nadu     | Dwight            | 860000         | 18800        | 11.3          |                    |
| 12 | DE3                         | Delhi          | Dwight            | 2060000        | 11400        | 15.2          |                    |
| 13 | DH5                         | Jharkhand      | Leon              | 940000         | 10200        | 6.7           |                    |
| 14 | FA4                         | Haryana        | Melanie           | 1060000        | 15100        | 8.3           |                    |
| 15 | GH4                         | Uttar Pradesh  | Lorraine          | 1100000        | 10100        | 3.6           |                    |
| 16 | GU2                         | Assam          | Meredith          | 570000         | 19000        | 10.8          |                    |
| 17 | GW4                         | Madhya Pradesh | Marcus            | 800000         | 20200        | 11.9          |                    |
| 18 | HO7                         | West Bengal    | Kara              | 860000         | 14900        | 10.9          |                    |
| 19 | HU1                         | Karnataka      | Gwendolyn         | 520000         | 16000        | 9.8           |                    |
| 20 | HY8                         | Telangana      | Gwendolyn         | 1790000        | 12000        | 13.7          |                    |
| 21 | IN1                         | Madhya Pradesh | Gwendolyn         | 1290000        | 13300        | 10.3          |                    |
| 22 | JA9                         | Madhya Pradesh | Gwendolyn         | 800000         | 15300        | 11.6          |                    |
| 23 | JA6                         | Rajasthan      | Gwendolyn         | 1520000        | 8000         | 13.8          |                    |

10 COLUMNS, 53 ROWS

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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 Help

Column From Custom Examples Invoke Custom Function General

Conditional Column Index Column Duplicate Column

Merge Columns Extract Parse From Text

Statistics Standard Scientific Information From Number

Date Time Duration From Date & Time

Queries [1]

Employee Data

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

|    | 1.0 Salary LPA | 1.0 Variable | 1.0 Incentive | 1.0 Appraisal Rate | Joining Date | 1.0 Year | 1.0 Days in Month |
|----|----------------|--------------|---------------|--------------------|--------------|----------|-------------------|
| 1  | 1080000        | 14800        | 8.3           | 7.2                | 11/5/2016    | 2016     | 30                |
| 2  | 1770000        | 14200        | 9.3           | 9.6                | 8/26/2016    | 2016     | 31                |
| 3  | 910000         | 13700        | 9.4           | 10.2               | 1/27/2017    | 2017     | 31                |
| 4  | 930000         | 14000        | 9.2           | 10.7               | 12/12/2015   | 2015     | 31                |
| 5  | 950000         | 16700        | 9.4           | 9.6                | 4/8/2015     | 2015     | 30                |
| 6  | 1820000        | 14100        | 7.9           | 9.5                | 3/26/2016    | 2016     | 31                |
| 7  | 500000         | 17100        | 10            | 11.1               | 11/20/2015   | 2015     | 30                |
| 8  | 1260000        | 6000         | 10            | 10.3               | 4/14/2017    | 2017     | 30                |
| 9  | 570000         | 14400        | 16.8          | 7.4                | 1/11/2016    | 2016     | 31                |
| 10 | 1860000        | 12100        | 13.6          | 9.7                | 6/17/2016    | 2016     | 30                |
| 11 | 860000         | 18800        | 11.3          | 8.2                | 10/21/2015   | 2015     | 31                |
| 12 | 2060000        | 11400        | 15.2          | 8.3                | 4/7/2015     | 2015     | 30                |
| 13 | 940000         | 10200        | 6.7           | 8.9                | 5/19/2015    | 2015     | 31                |
| 14 | 1060000        | 15100        | 8.3           | 7.1                | 5/11/2016    | 2016     | 31                |
| 15 | 1100000        | 10100        | 3.6           | 8.4                | 6/9/2016     | 2016     | 30                |
| 16 | 570000         | 19000        | 10.8          | 9.2                | 7/19/2016    | 2016     | 31                |
| 17 | 800000         | 20200        | 11.9          | 8.9                | 4/12/2015    | 2015     | 30                |
| 18 | 860000         | 14900        | 10.9          | 10.3               | 3/5/2017     | 2017     | 31                |
| 19 | 520000         | 16000        | 9.8           | 9.9                | 1/12/2017    | 2017     | 31                |
| 20 | 1790000        | 12000        | 13.7          | 9.2                | 2/20/2015    | 2015     | 28                |
| 21 | 1290000        | 13300        | 10.3          | 8.7                | 3/9/2017     | 2017     | 31                |
| 22 | 800000         | 15300        | 11.6          | 8.3                | 9/30/2016    | 2016     | 30                |
| 23 | 1520000        | 8000         | 13.8          | 10                 | 9/20/2016    | 2016     | 30                |

12 COLUMNS, 53 ROWS

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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.

