**City Temperature Assignment:**

**Topic:**

* Mastering the IF Statement

**Tasks:**

1. Load the **City Temperature Assignment** excel file, and load “Data\_Table”
2. Create a new column **Status** with the following criteria:

“If the temperature is >25 then the status should be “High,” otherwise the status should be “Medium.”

* + Click “New Column” and label the column **Status**
  + Open the IF DAX statement
  + According to criteria we need a logical test to determine if the temperature is >25
  + To do this, select the temperature column and apply the appropriate logical test (i.e. temperature > 25) and mention what the result would be if the statement is true (i.e. “High”) and if it is false (i.e. “Low”)
  + The resulting formula will be as follows:

Status = IF('Data\_Table'[Temperature]>25,"High","Low")

1. Create a new column **Status** with four different logical tests:

If the temperature is >30, status is “Unbearable.”

If the temperature is >28, status is “High.”

If the temperature is >25, status is “Moderate.”

If the temperature is <=25, then we need the status as “Low.”

* + Open IF condition and apply the first logical test and result if true
  + Now, we need to test the other logical conditions, so open another IF condition that applies the second logical test and the result if true
  + Repeat this step for the last two logical tests and close the brackets
  + The resulting formula will be as follows:

New Status = IF('Data\_Table'[Temperature]>30, "Unbearable", IF(Data\_Table[Temperature]>28, "High", IF(Data\_Table[Temperature]>25, "Moderate", IF(Data\_Table[Temperature]<=25, "Low"))))