BIT class Exercise

To be submitted to: [pkisambira@ucu.ac.ug](mailto:pkisambira@ucu.ac.ug)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **A** | **B** | **C** | **D** | **E** | **F** |
| **1** | **TOWN / DAY** | **Mon** | **Tue** | **Wed** | **Thur** | **Fri** |
| **2** | Mombasa | 30 | 29.5 | 31 | 28.5 | 32 |
| **3** | Kisumu | 31 | 33 | 30 | 30 | 32 |
| **4** | Nakuru |  |  |  |  |  |
| **5** | Nairobi | 24 | 23.5 | 22 | 23 | 24.5 |
| **6** |  |  |  |  |  |  |
| **7** |  |  |  |  |  |  |
| **8** | **TOWN / DAY** | **Mon** | **Tue** | **Wed** | **Thur** | **Fri** |
| **9** | Mombasa |  |  |  |  |  |
| **10** | Kisumu |  |  |  |  |  |
| **11** | Nakuru |  |  |  |  |  |
| **12** | Nairobi |  |  |  |  |  |

1. Use a formula to calculate the temperature for Nakuru, given that the temperature for Nakuru is ¾ that of Mombasa.
2. Create two blank rows below Row 1.
3. Type “**Temp. in degrees Celsius**” in Cell A2 and “**Temp. in degrees Fahrenheit**” in Cell A9.
4. Calculate the temperature in F using the conversion factor given as F=(C+19)\*9/5.
5. Calculate the temperature for Kericho in both versions given that it is 4/5 that of Kisumu.
6. Type “**Average Temp. (C)**” in Cell G3 and “**Average Temp. (F)**” in Cell G11 respectively. Calculate the average temperatures for all the towns.
7. Format all cells containing the temp. values to zero decimal places with no commas.

The title should be “**Average Temp. (C)”.** Use the text in column A as the legend. In the data labels, select **Show Value**.

1. Save the worksheet as **Weather**.

**Question 2**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **A** | | **B** | | **C** | | **D** | | **E** | | **F** | | **G** | | **H** | | **I** |
| **1** | **XYZ COMPANY SALES PERFORMANCE** | | | | | | | | | | | | | | | |  |
| **2** |  |  | |  | |  | |  | |  | |  | |  | |  | |
| **3** |  |  | |  | |  | |  | |  | |  | |  | |  | |
| **4** | **SALESPERSON** | **ANNUAL TARGET** | | **QTR1** | | **QTR2** | | **QTR3** | | **QTR4** | | **TOTAL SALES** | | **AVERAGE SALES** | | **COMMISSION** | |
| **5** |  |  | |  | |  | |  | |  | |  | |  | |  | |
| **6** | ALBERT | 750 | | 148 | | 256 | | 133 | | 154 | | X | |  | |  | |
| **7** | MICHAEL | 650 | | 187 | | 143 | | 258 | | 143 | | X | |  | |  | |
| **8** | CARL | 800 | | 233 | | 200 | | 216 | | 152 | | X | |  | |  | |
| **9** | GEORGE | 700 | | 256 | | 145 | | 136 | | 259 | | X | |  | |  | |
| **10** | LUCY | 1,000 | | 249 | | 212 | | 215 | | 124 | | X | |  | |  | |
| **11** |  |  | |  | |  | |  | |  | |  | |  | |  | |
| **12** | TOTAL | X | | X | | X | | X | | X | | X | |  | |  | |
| **13** |  |  | |  | |  | |  | |  | |  | |  | |  | |
| **14** | COMMISSION | 6% | |  | |  | |  | |  | |  | |  | |  | |
| **15** |  |  | |  | |  | |  | |  | |  | |  | |  | |

* 1. Given the table above, write formulas or describe how you would calculate the Total Sales in column G and Row 12.
  2. How would you calculate the Average Sales? Write the formula as it should appear in Excel and show the method of duplicating it to the other cells.
  3. How would you calculate the Commission? Write the formula as it would appear in Excel
  4. How would you calculate the Commission give that every sale above the sales person annual target a sales person is given 30% commission?Write the formula as it would appear in Excel
  5. You are asked to compare QTR1 and QTR3 sales for all salespersons in the above table using a chart:
     1. What range of cells do you need to select and how would you select it?
     2. What type of graph would you use?