**Exercise 2**

In this example we are going to calculate the gross salary of a salesman. His/her basic salary is R1500, for every laptop he/she will sell he will get 200 rand and the commission on the month’s sale is 2 %. The input will be number of laptops sold and total price of the laptop. Use the IPO table below to do the calculations and display answer in currency correct

|  |  |  |
| --- | --- | --- |
| **INPUT** | **PROCESSING** | **OUTPUT** |
| Basic\_salary  Bonus\_rate  Commision\_rate  Numberoflaptops  Price\_of\_laptops | bonus = (bonus\_rate \* numberoflaptops)  commision = (commision\_rate \* numberoflaptops \* price\_of\_laptops)  Gross\_salary=basic\_salary + bonus + commision | Bonus  Commission  Gross Salary |

|  |  |  |
| --- | --- | --- |
| **QUESTION 2** |  |  |

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| --- | --- | --- |
| The National Weather Bureau contracted you as a programmer to design an application for them that will enable them to convert temperatures.  The bureau must be able to enter the temperature to be converted. The program must be able to convert from degrees Celsius to degrees Fahrenheit and from degrees Fahrenheit to degrees Celsius.  The formulae to convert between the units are:   * *Celsius = 5/9 \* Fahrenheit – 32* * *Fahrenheit = 9/5 \* Celsius + 32* |  |  |

The IPO-Chart for the problem is as follows:

|  |  |  |
| --- | --- | --- |
| **INPUT** | **PROCESSING** | **OUTPUT** |
| *Temperature*  *Convert from*  *Convert to* | If *ConvertedFrom = '*Fahrenheit*'* then  *ConvertedTemp =* 9/5 \* *ToBeConverted* + 32  Else  *ConvertedTemp =* 5/9 \* (*ToBeConverted* – 32)  End If | *ConvertedTemp* |

You are required to write a program to change the temperature entered into respective depending with the units entered. The program must allow ask the user to select the units to be changed from and to.

Convert the temperature.

Format the converted temperature to display one decimal place and display it in the appropriate label as follows: