# Lesson 05 – Conditional Statements

## Exercise 01

# Task 1:

Take in an integer variable for your age from the user. Do this by using the input() function.

age = int(input())

It is up to you if you want to prompt the user for input or leave the input function blank.

Check to see if the age of a person is greater than or equal to 18. If it is, print out that the person can vote; otherwise, print that they cannot vote.

# Task 2:

Take values of length and breadth of a rectangle from user and check if it is square or not.

# Task 3:

Take two int values from user and print greatest among them.

## Exercise 02

# Task 1:

A school has following rules for grading system:

* Below 25 - F
* 25 to 45 - E
* 45 to 50 - D
* 50 to 60 - C
* 60 to 80 - B
* Above 80 - A

Ask user to enter marks and print the corresponding grade.

# Task 2:

A shop will give discount of 10% if the cost of purchased quantity is more than 1000.

Ask user for quantity and suppose one unit will cost 100.

Judge and print total cost for user.

# Task 3:

Write a python program that uses if selection statements to print out the cost of a toll based on the type of vehicle.

Declare a variable called vehicle.

Your program should check the value of the character variable vehicle to see if it represents a car, a motorbike, a bus, a truck, or a van.

Depending on the type of vehicle it should print out the appropriate toll price.

Use the table below to guide you writing the program:

|  |  |  |
| --- | --- | --- |
| Type of Vehicle | Vehicle Representation | Price |
| Car | “c” | 2.00 |
| Motorbike | “m” | 1.10 |
| Bus | “b” | 4.25 |
| Truck | “t” | 6.70 |
| Van | “v” | 4.00 |

## Exercise 03

# Task 1:

Take input of age of 3 people by user using the input() function and determine oldest and youngest among them.

# Task 2:

Write a program that determines a number, either even or odd.

Your program should have a variable to store an integer number and print the appropriate message.