Lesson 06 - Conditional Statements

Exercise 01

Task 1:

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

```
1  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.

Calculate and print total cost for user based on the number of units ordered

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.