**ASSIGNMENT 01**

*** **Submit your assignment in a document or text file by mentioning Questions & their solutions** ***

Q.1: Create two integer variables length and breadth and assign values then check if they are square values or rectangle values.
ie: if both values are equal then it's square otherwise rectangle.

Q.2: Take two variables and store age then using if/else condition to determine oldest and youngest among them.

Q.3: A student will not be allowed to sit in exam if his/her attendance is less than 75%. Create integer variables and assign value:
Number of classes held = 16,
Number of classes attended = 10,
and print percentage of class attended.
Is student is allowed to sit in exam or not?

Q4: Write a program to convert Celsius to Fahrenheit .
i.e: Temperature in degrees Fahrenheit (°F) = (Temperature in degrees Celsius (°C) * 9/5) + 32

Q.5 Write a program to read temperature in centigrade and display a suitable message according to temperature:
You have num variable temperature = 42;
Now print the message according to temperature:
temp < 0 then Freezing weather
temp 0-10 then Very Cold weather
temp 10-20 then Cold weather
temp 20-30 then Normal in Temp
temp 30-40 then Its Hot
temp >=40 then Its Very Hot

Q.6: Write a program to check whether an alphabet is a vowel or consonant.

Q7: Write a program to calculate root of any number.
i.e: $\sqrt{y} = y^{½}$

Q8: Create a marksheet using operators of at least 5 subjects and output should have Student Name, Student Roll Number, Class, Percentage, Grade Obtained etc.
i.e: Percentage should be rounded upto 2 decimal places only.

Q9: Check if the number is even or odd, If number is even then check if this is divisible by 5 or not & if number is odd then check if this is divisible by 7 or not.

Q10: Write a program that takes three numbers from the user and prints the greatest number & lowest number.