Tutorial 02
Flow Control Statements

Exercise from last week

1. Write a C++ program to simulate a pocket calculator which can be able to perform normal calculations, Addition, Subtraction, Multiplication, and Division.

Switch case

2. Write above program using switch cases.

3. Characters from A to G are grouped as follows:

    Group 0 – A,E,I,O,U
    Group 1 – B,D,Q,P,R
    Group 2- C ,S,G

Write a C++ program using switch statement to find in which group a character is when the character is given as input. Print "Invalid letter for all the other inputs"

Loop statements (for / while loop / do – while loop)

4. Write a program to get the sum of the numbers that you have given as the input value,

    Input – 5

    Sum – 1+2+3+4 = 10

5. Write a program to calculate the triangular number, get "What triangular number do you want : " as the user input

6. Write a C++ programs to find the factorial of a given number Using for / while / and do – while statements

7. Write a C++ program to get the output as below

   (a) # $
       ## $$$
       ### $$$$$
       #### $$$$$$$
       #####

8. Write a program to generate prime numbers below 100.