**Lab 3**

**Control Structures**

1. You have to generate a 6-digit OTP. Each digit of the six-digit number is to be generated randomly. Use the in-built random function for this.
2. Write a menu driven program using switch case statement. Take a number, n, from the user. Take a choice from the user to do the following:

1: to find if n is odd or even

2: to find if n is a prime number (use break statement)

3: to find the factorial of n

4: exit

1. Write a loop to divide the first 10 integers with a number k and print the result each time the division takes place. The number k is to be input by the user. Notice, if k ==0, then
   1. Use break. What is the result
   2. Use continue. What is the result.