The laboratory work 5

1. Create a class RandomNumber, with three static methods:

   - GetFloat will return a number between 0 and 1 using the following algorithm:

   seed = (seed * a + c) % m
   result = abs(seed / m)

   - GetInt(max) will return a number from 0 to max, using:
   result = round(max * GetFloat)

   - GetInt(min, max) will return a number from min to max (you must create this one totally on your own).

   The starting values must be:
   m = 233280;
   a = 9301;
   c = 49297;
   seed = 1;

2. Write a constructor in the Car class given below that initializes the brand class field with the string "Ford". All the getBrand() method in the main method of the Sample class and store the value of the brand in a variable, and print the value.

```
class Car {

    String brand;

    //your constructor here

    public String getBrand() {
            return brand;
    }

    void run() {
            Console.WriteLine("Car is running...");
    }
}

class Sample {

    static void Main(string[] args) {

                        Car ford = new
Car();
    }
}
```

3. Write a program with access specifiers. Write a program with private access specifier. Write a program to store and retrieve value from private variable using get set property.
4. You are assigning to develop a project in which you have to achieve following goals.
   Write a program for creating Laptop.
   Name, Price, Processor, Ram and Hard drive should be defined in base class as constant.
   You need to inherit these functionalities in your program and Print Details.
   All the laptop should have different **name, price, processor, ram and hard drive**.
5. Write a constructor destructor program in which you make 3 constructors. One is for default constructors with default message, next is parameterized constructor which accept a string value and last one is also parameterized constructor which accept two numerical value and shows add of them. Initialize all constructors and shows output.