**Assignment-9:**

1. Write programs using multi-level inheritance Create a class Car inside it one constructor and one method name as vehicleType and Create two another classes name as first class Maruti inside it one constructor and one method name as brand second Class Maruti800 inside it one constructor and one method name as speed. Display each property of class

Maruti800

Maruti

Car

1. Write a program on multilevel create 3 classes name as A, B and C inside each classes one variable, one parameterized constructor and a method to increment the value by using **super() keyword** passthe parameterand display the incremented value.

Output Expected to be:

Input is: 3, 5, 9

Output: 4, 6, 10

1. Create an abstract class vehicle and a method no\_of\_wheel() in it. Create 3 classes, Bus, Car and Bike which extends the class vehicle and implement the method no\_of\_wheel() in it to  display the number of wheels for each class type.
2. Create an abstract class, shape which has one defined method moveTo taking two parameter and display them along with shape type being passed in constructor. Create two classes circle and rectangle which extends shape  and  define method area which is declared in abstract class shape.