

Week 09 - OOP Activity

1. Create a class called **person** with attributes name,age, height.
 - Define proper getters setters and constructors
 - Create 03 objects from person class to represent below 03 persons.
 - Name : Anne, age:24,height : 5.3
 - Name : John, age:21,height : 5.8
 - Name : Paul, age:23,height : 5.6
 - Create a default constructor to represent below entity
 - Name : Doe, age:20,height : 5.5
2. Suppose you need to check the number of person objects created in the system. Update the program so that the program will update the number of persons created in the system.
3. Create a Vehicle class with below attributes
 - vehicleModel: String
 - vehicleNo : int
 - Add getterMethods to above attributes
4. Suppose 01 person can own maximum of two vehicles
 - Update the attributes and constructor of Person class to reflect this relationship
 - Create a method called **addVehicles(Vehicle vehicle)** in person class which can add a vehicle into the person class.
 - Create a method called **getVehicleData()** in person class which returns the vehicle data.
5. Inside the driver class (main program) create the two person objects below
 - Name : Anne, age:24,height : 5.3
 - Name : John, age:21,height : 5.8
6. Inside the driver class (main program) create the three Vehicle objects below.
 - Model: Benz,ID: 1234
 - Model: Toyota ID:5647
 - Model: Nissan: ID:1456

7. Use **addVehicles** Method to represent the relationships below
 - Anne owns a Benz
 - John owns a Nissan
 - John owns a Toyota
8. Display the vehicleNumber owned by Anne
9. Display the names of vehicles owned by John.
10. Create an array of 5 vehicles to include 5 newly created vehicle objects as array elements.