

CDAC MUMBAI

Day 2 Assignment

1. Create a class “Room” which will hold the “height”, “width” and “breadth” of the room in three fields. This class also has a method “volume()” to calculate the volume of this room. Create instances “Room” and display the volume of room.
2. Write a program to implement a class “student” with the following members. Name of the student. Marks of the student obtained in three subjects. Function to assign initial values. Function to compute total average. Function to display the student’s name and the total marks. Write an appropriate main() function to demonstrate the functioning of the above.
3. Write a class “Box” that with three member-variables “height”, “width” and “breadth”. Write suitable constructors to initialize them. Add functions like “getVolume” and “getArea” that will return volume and surface area respectively. Instantiate two arbitrary boxes and then print their volume and surface area.
4. Create a Java class Vehicle with attributes price, color, and model, along with a constructor to initialize these attributes. Implement a method display() in the Vehicle class to print the details of the vehicle. Create an instance of Vehicle class, initialize it with values, and display its details using the display method.
5. Create a class Person with attributes age, height, and weight, along with multiple constructors to initialize these attributes. Implement a method display() in the Person class to print the details of a person object. create multiple instances of Person class using different constructors and display their details using the display method.