

Assignment 1

```
import java.util.Scanner;

public class Car{

    String make,model;

    short year;

    int price;

    public Car(String make, String model, short year, int price) {

        this.make = make;

        this.model = model;

        this.year = year;

        this.price = price;

    }

    public void display() {

        System.out.println("Make: " + make + ", Model: " + model + ", Year: " + year + ", Price: " + price);

    }

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

        System.out.print("Enter car make:");

        String make = sc.nextLine();

        System.out.print("Enter car model:");

        String model = sc.nextLine();

        System.out.print("Enter car year:");

        short year = sc.nextShort();

        System.out.print("Enter car price:");

        int price = sc.nextInt();

        Car car = new Car(make, model, year, price);

        System.out.println("Car details:");

        car.display();

        sc.close();

    }

}
```

OUTPUT:

```
PS A:\Microsoft VS Code\New folder> a:: cd 'a:\Microsoft VS Code\New folder'; & 'C:\P
java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\Rohan\AppData\Roar
e\d4da3b8820bb4e396c5348882b6e7920\redhat.java\jdt_ws\New folder_166f3bb5\bin' 'Car'
Enter car make:BMW
Enter car model:M4
Enter car year:2018
Enter car price:8000000
Car details:
Make: BMW, Model: M4, Year: 2018, Price: 8000000
PS A:\Microsoft VS Code\New folder>
```

Assignment 2

```
public class Calculator {
    public static int add(int a, int b) {
        return a + b;
    }
    public static int add(int a, int b, int c) {
        return a + b + c;
    }
    public static double add(double a, double b) {
        return a + b;
    }

    public static void main(String[] args) {
        System.out.println("5 + 10 : " + add(5, 10));
        System.out.println("5 + 10 + 15 : " + add(5, 10, 15));
        System.out.println("5.5 + 10.5 : " + add(5.5, 10.5));
    }
}
```

OUTPUT:

```
● PS A:\Microsoft VS Code\New folder> & 'C:\Program Files\Java\jdk-11.0.2\bin\java.exe' -jar 'C:\Program Files\Java\jdk-11.0.2\bin\java\jdt_ws\New folder_166f3bb5\bin\Calculator'
5 + 10 : 15
5 + 10 + 15 : 30
5.5 + 10.5 : 16.0
```

Assignment 3

```
public class Student1 {
    private String name;
    private String department;
    private int age;
    public Student1(String name, int age, String department) {
        this.name = name;
        this.age = age;
        this.department = department;
    }
    public String getName() {
        return name;
    }
    public int getAge() {
        return age;
    }
    public String getDepartment() {
        return department;
    }
    public void setName(String name) {
        this.name = name;
    }
}
```

```

    }

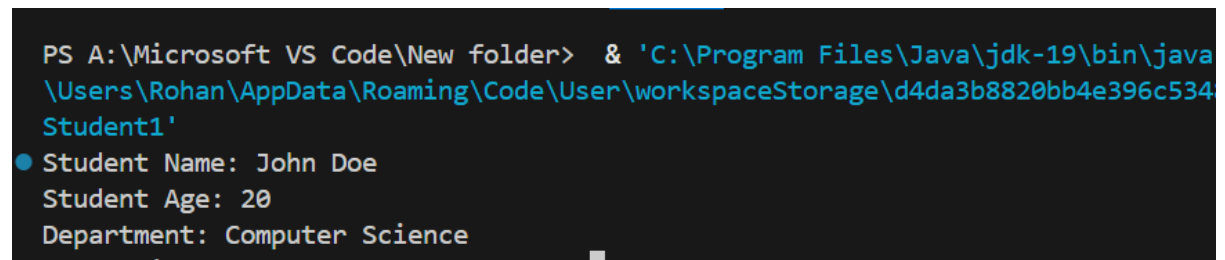
    public void setAge(int age) {
        this.age = age;
    }

    public void setDepartment(String department) {
        this.department = department;
    }

    public static void main(String args[]){
        Student1 student = new Student1("John Doe", 20, "Computer Science");
        System.out.println("Student Name: " + student.getName());
        System.out.println("Student Age: " + student.getAge());
        System.out.println("Department: " + student.getDepartment());
    }
}

```

OUTPUT:



```

PS A:\Microsoft VS Code\New folder> java -cp 'C:\Program Files\Java\jdk-19\bin\java\Users\Rohan\AppData\Roaming\Code\User\workspaceStorage\d4da3b8820bb4e396c534 Student1' Student1
Student Name: John Doe
Student Age: 20
Department: Computer Science

```