

## 1.Problem Statement

Create class Student which has some private data like name,phone number,roll number,class.

Use getter and setters to access this private data.

## 2.Source code

```
package mypackage;

class Student
{
    //Declaration of private data members
    private String sname;
    private long sphone;
    private int srollno;
    private char sclass;

    //Setter method to set the student name
    void setName(String name)
    {
        sname=name;
    }
    //Getter method to return student name
    String getName()
    {
        return sname;
    }
    //Setter method to set the student phone number
    void setPhone(long phone)
    {
        sphone=phone;
    }
    //Getter method to get the student phone number
    long getPhone()
    {
        return sphone;
    }
    //Setter method to set the student roll number
    void setRollno(int rollno)
    {
        srollno=rollno;
    }
    int getRollno()
    {
        return srollno;
    }
    void setClass(char clas)
    {
        sclass=clas;
    }
    char getClas()
    {

```

```

        return sclass;
    }

}

//Main program to access the private student data and display
public class DemoPrivate {

    //Declaration of main method
    public static void main(String[] args) {

        //Creating object for student class
        Student s=new Student();

        //Setting the student data
        s.setName("Srinivas");
        s.setPhone(999999999);
        s.setRollno(21);
        s.setClass('A');

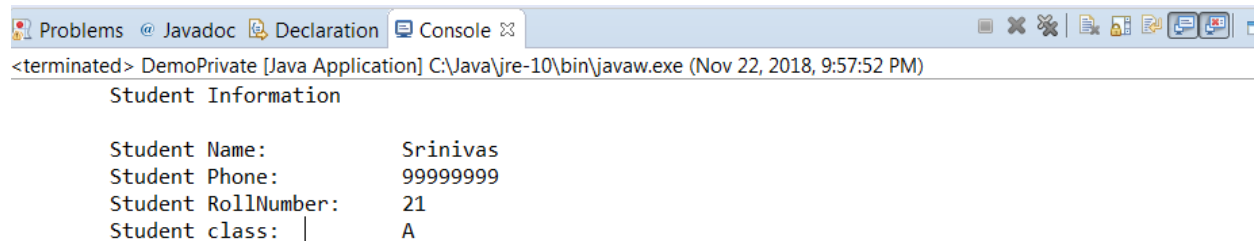
        System.out.println("        Student Information");
        //Getting the Student data and displaying it.
        System.out.println();
        System.out.println("        Student Name:        "+s.getName());
        System.out.println("        Student Phone:        "+s.getPhone());
        System.out.println("        Student RollNumber: "+s.getRollno());
        System.out.println("        Student class:        "+s.getClas());
    }

}

} //End of the program

```

### 3.Output



```

<terminated> DemoPrivate [Java Application] C:\Java\jre-10\bin\javaw.exe (Nov 22, 2018, 9:57:52 PM)
Student Information

Student Name:        Srinivas
Student Phone:        999999999
Student RollNumber:   21
Student class: |      A

```

### 4.Flow information

Initially a class Student is defined with private data members of student like name ,roll number, phone number and class. Setter methods are used to set the data for each data member and similarly getter method is used to retrieve each data member of student. An object is created in the main method and passed the values of each data member by calling the setter methods on this object. Then getter methods are used on the same object to retrieve the values of student data members.

Lastly all the data member values of student are displayed as output.