

**(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)**

**Course Code : CSE1006 Course Title : Problem solving using java**

1. A University wants to develop a an application on student data. The application should allow:
2. Read student information such as name, roll number and cgpa
3. Print student information such as name, roll number and cgpa

import java.util.Scanner;

class Student1 {

    String name;

    int rollNo;

    double cgpa;

    // method to read student data

    public void getdata() {

            Scanner sc = new Scanner(System.in);

             System.out.print("Enter Student Name ");

             name = sc.nextLine();

             System.out.print("Enter Roll Number and cgpa ");

             rollNo = sc.nextInt();

             cgpa = sc.nextDouble();

     }

   // Method to display student details

    public void display() {

        System.out.println("Student Details:");

        System.out.println("Name: " + name);

        System.out.println("Roll Number: " + rollNo);

        System.out.println("CGPA: " + cgpa);

    }

    public static void main(String[] args) {

        Student1 s1 = new Student1();

        s1.getdata();

        s1.display();

        Student1 s2 = new Student1();

        s2.getdata();

        s2.display();

    }

}

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// rewrite the above program by passing parameters to method as below

class Student {

    String name;

    int rollNo;

    double cgpa;

    // parameterized Method

    void getdata(String n, int r, double c) {

        name = n;

        rollNo = r;

        cgpa = c;

    }

    // Method to display student details

    void display() {

        System.out.println("Student Details:");

        System.out.println("Name: " + name);

        System.out.println("Roll Number: " + rollNo);

        System.out.println("CGPA: " + cgpa);

    }

    public static void main(String[] args) {

        Student s1 = new Student();

        s1.getdata("Akhil",111,7.5);

        s1.display();

        Student s2 = new Student();

        s2.getdata("Kaveri",222,6.4);

        s2.display();

    }

}

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**Activity :**

In the above program declare display() method using the access specifier / modifier private and call this method from getdata() ie., call from public method

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**Activity :**

Mr. John has joined a Company as Database Administrator and his major role is to maintain the Employee database which includes Employee Id, Name, Age and Salary. He has given a freedom to read/store the data in the database as shown below:

1. Read all the data by taking values from the user.
2. Retrieve all the records which he has stored.

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