```
/*

    Topic :inheritance
    Question 9 : Write a java program, create a class Human [Data Member:Name, Gender]
inherit student class [RollNo, course]. Both the classes should contain accept()[for accepting
data] and display() [for displaying data]. Use super keyword to call constructor and hidden
members.
 */

package inheritance;
import java.util.Scanner;
public class Human                          //class human
{   String name;
    String gender;
    Scanner s=new Scanner(System.in);
    Human()                                         //constructor
    {   name="na";gender="na";
    }
    void accept()                                   //method
    {       System.out.println("Enter Name :");
            name=s.next();
            System.out.println("Gender :");
            gender=s.next();
    }
    void display()                                  //method
    {       System.out.println("Name :"+name);
            System.out.println("Gender :"+gender);
    }
    public static void main(String args[])          //main method
    {       Human S1=new Student();
            S1.accept();
            S1.display();
    }
}
class Student extends Human                 //student inherit human
{               int rollNo;
                String course;
                Student()                           //constructor
                {   rollNo=0;course="na";
                }
                void accept()
```

```java
        {       super.accept();              //Calling parent class method
                System.out.println("Enter RollNo: ");
            rollNo=s.nextInt();
            System.out.println("Enter course:");
            course=s.next();
        }
        void display()
        {       super.display();
                System.out.println("RollNo: "+rollNo);
                System.out.println("Course: "+course);

        }
}
```

OUTPUT

```
Enter Name :
Prashant
Gender :
male
Enter RollNo:
0255
Enter course:
Bca
Name :Prashant
Gender :male
RollNo: 255
Course: Bca
```