



PARSHVANATH CHARITABLE TRUST'S

A.P. SHAH INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering
Data Science

Department of Computer Science and Engineering Data Science

Academic Year: 2022-2023

Semester: III

Class / Branch: SE Data Science

Subject: OOPJ Lab

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Experiment No. 7

Aim:- Write a Java Program to demonstrate different inheritances in java.

Program :

```
class Student  
{  
    int RollNo;  
    public void getRollNo()  
    {  
        RollNo=10;  
    }  
    public void putRollNo()  
    {  
        System.out.println("Roll no is:"+RollNo);  
    }  
}
```



```
class Test extends Student
{
    int m1,m2;
    public void getMarks()
    {
        m1=70;
        m2=80;
    }
    public void putMarks()
    {
        System.out.println("Marks1:"+m1+"Marks2:"+m2);
    }
}

interface Sports
{
    int score=90;
    public void putScore();
}
```



class Result extends Test implements Sports

{

int Total;

void display()

{

Total=M1+M2+score;

putRollNo();

putMarks();

System.out.println("Total is :"+Total);

putScore();

}

public void putScore()

{

System.out.println("Score is:"+score);

}

}

public class exp7

{



```
public static void main(String args[])  
{  
    Result r1=new Result();  
    r1.getRollNo();  
    r1.getMarks();  
    r1.display();  
}  
}
```

Output:-

```
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$ javac exp7.java  
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$ java exp7  
Roll no is:10  
Marks1:70Marks2:80  
Total is :240  
Score is:90  
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$
```