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**Batch: MCA-B**

**Date:02-06-22**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 14**

**Aim:**

Create classes Student and Sports. Create another class Result inherited from Student and Sports. Display the academic and sports score of a student.

**Program:**

import java.io.\*;

class Student

{

int id;

String name;

String course;

int age;

Student(int id,String name,String course,int age)

{

this.id=id;

this.name=name;

this.course=course;

this.age=age;

}

}

class Sports extends Student

{

String item;

int item\_code;

double height,weight;

Sports(int id,String name,String course,int age,String item,int item\_code,double height,double weight)

{

super(id,name,course,age);

this.item=item;

this.item\_code=item\_code;

this.height=height;

this.weight=weight;

}

}

class Result extends Sports

{

int m1,m2,m3;

int mark,smark;

String result;

Result(int id,String name,String course,int age,String item,int item\_code,double height,double weight)

{

super(id,name,course,age,item,item\_code,height,weight);

}

void get\_data()

{

BufferedReader br=new BufferedReader(new InputStreamReader(System.in));

try

{

System.out.println("\n Enter the marks of three subjects:\n");

m1=Integer.parseInt(br.readLine());

m2=Integer.parseInt(br.readLine());

m3=Integer.parseInt(br.readLine());

System.out.println("\n Enter the point got in "+item+": ");

smark=Integer.parseInt(br.readLine());

mark=m1+m2+m3;

}

catch(Exception e)

{

}

}

void display()

{

System.out.println("\n RESULT SUMMARY\n");

System.out.println("\n ID : "+id);

System.out.println("\n NAME : "+name);

System.out.println("\n AGE : "+age);

System.out.println("\n COURSE: "+course);

System.out.println("\n SPORTS ITEM: "+item);

System.out.println("\n ITEM CODE : "+item\_code);

System.out.println("\n HEIGHT : "+height);

System.out.println("\n WEIGHT : "+weight);

System.out.println("\n POINTS IN "+item+": "+smark);

}

}

public class ResultSummary

{

public static void main(String args[])

{

BufferedReader br=new BufferedReader(new InputStreamReader(System.in));

int id,age;

String name,course;

String item;

int item\_code;

double height,weight;

try

{

System.out.println("\n Enter the id: \n");

id=Integer.parseInt(br.readLine());

System.out.println("\n Enter the name : ");

name=br.readLine();

System.out.println("\n Enter the course: ");

course=br.readLine();

System.out.println("\n Enter the age : ");

age=Integer.parseInt(br.readLine());

System.out.println("\n Enter the item code : ");

item\_code=Integer.parseInt(br.readLine());

System.out.println("\n Enter the sports item: ");

item=br.readLine();

System.out.println("\n Enter the height : ");

height=Double.parseDouble(br.readLine());

System.out.println("\n Enter the weight : ");

weight=Double.parseDouble(br.readLine());

Result r=new Result(id,name,course,age,item,item\_code,height,weight);

r.get\_data();

r.display();

}

catch(Exception e)

{

}

}

}

**OUTPUT:**

