

#First programme.

```
import java.util.*;
```

```
class ScoreCard{
    int pointsEarnedPlayer1,pointsEarnedPlayer2,n;
    String st=new String();
    String teamName,player1,player2,p1,p2;
    Scanner sc=new Scanner(System.in);
    public ScoreCard(){
        pointsEarnedPlayer1=0;
        pointsEarnedPlayer2=0;
    }
    public ScoreCard(String tN,String p1N,String p2N){
        teamName=tN;
        player1=p1N;
        player2=p2N;
    }
    public void scorePoints(String p1,int c1){

        if(p1.equals(player1)){
            pointsEarnedPlayer1+=c1;
        }
        else if (p1.equals(player2)){

            pointsEarnedPlayer2+=c1;
        }
    }
    public int getPoints( String p2){
        if(p2.equals(player1)){
            return pointsEarnedPlayer1;
        }
        else if(p2.equals(player2)) {
            return pointsEarnedPlayer2;
        }
        return 0;
    }
    public int getTotalPoints(){
        return pointsEarnedPlayer1+pointsEarnedPlayer2;
    }
    public void printSummary(){
        System.out.println("TEAM NAME IS:"+teamName);
        n=getTotalPoints();
        System.out.println("TEAM SCORE IS:"+n);
    }
}

public class TestDriver {
    public static void main(String[] args) {
        String teamName,player1Name,player2Name;
        int n,n1,n2;
        Scanner sc=new Scanner(System.in);
        ScoreCard s1=new ScoreCard();
        System.out.println("PLEASE ENTER THE TEAM NAME: ");
        teamName=sc.next();
        System.out.println("ENTER PLAYER1 NAME:");
        player1Name=sc.next();
        System.out.println("ENTER PLAYER2 NAME:");
        player2Name=sc.next();
        ScoreCard s2=new ScoreCard(teamName,player1Name,player2Name);
        do{
```

```

        System.out.println("ENTER YOUR CHOICE:");
        System.out.println("1. scorePoints \n2. getPoints\n3.
getTotalPoints\n4. printSummary\n5. Exit");
        n=sc.nextInt();
        switch(n){
        case 1:{
            System.out.print("ENTER PLAYER NAME:");
            String p1=sc.next();
            System.out.print("ENTER PLAYER SCORE");
            int p1Score=sc.nextInt();
            s2.scorePoints(p1,p1Score);
            break;
        }
        case 2:{
            System.out.print("ENTER PLAYER NAME:");
            String p2=sc.next();
            n1=s2.getPoints(p2);
            System.out.println("PLAYER SCORE:"+n1);
            break;
        }
        case 3:{
            n2=s2.getTotalPoints();
            System.out.println("TOTAL SCORE IS:"+n2);
            break;
        }
        case 4:{
            s2.printSummary();
            break;
        }
        case 5:{
            System.out.println(".....EXIT.....");
            break;
        }
        default :{
            System.out.println("PLEASE ENTER A VALID CHOICE");
        }
        }
    }while (n!=5);
}
}

```

OUTPUT:

PLEASE ENTER THE TEAM NAME:

ROCK

ENTER PLAYER1 NAME:

siri

ENTER PLAYER2 NAME:

puji

ENTER YOUR CHOICE:

1. scorePoints
2. getPoints
3. getTotalPoints
4. printSummary
5. Exit

1

ENTER PLAYER NAME:siri

ENTER PLAYER SCORE:50

ENTER YOUR CHOICE:

1. scorePoints
2. getPoints
3. getTotalPoints
4. printSummary
5. Exit

1

ENTER PLAYER NAME:puji

ENTER PLAYER SCORE:10

ENTER YOUR CHOICE:

1. scorePoints
2. getPoints
3. getTotalPoints
4. printSummary
5. Exit

2

ENTER PLAYER NAME:siri

PLAYER SCORE:50

ENTER YOUR CHOICE:

1. scorePoints
2. getPoints
3. getTotalPoints
4. printSummary
5. Exit

2

ENTER PLAYER NAME:puji

PLAYER SCORE:10

ENTER YOUR CHOICE:

1. scorePoints
2. getPoints
3. getTotalPoints
4. printSummary
5. Exit

3

TOTAL SCORE IS:60

ENTER YOUR CHOICE:

1. scorePoints
2. getPoints
3. getTotalPoints
4. printSummary
5. Exit

```

4
TEAM NAME IS:ROCK
TEAM SCORE IS:60
ENTER YOUR CHOICE:
1. scorePoints
2. getPoints
3. getTotalPoints
4. printSummary
5. Exit
5
.....EXIT.....

```

#SECOND PROGRAMME.

```

import java.util.Scanner;

class Classroom{
    String buildingname ,audiovideosystem;
    int roomnumber, numberofseats, numberofpeople ;
    Scanner sc=new Scanner(System.in);
    public int details() {
        System.out.println("ENTER BUILDING NAME:");
        buildingname=sc.next();
        System.out.println("ENTER IS THERE ANY FACILITY OF AUDIO VIDEO
SYSTEM:");
        audiovideosystem=sc.next();
        System.out.println("ENTER ROOM NUMBER:");
        roomnumber=sc.nextInt();
        System.out.println("ENTER NO.OF SEATS IN THE CLASS:");
        numberofseats=sc.nextInt();
        return numberofseats;
    }
    public void buildingName() {
        System.out.println(buildingname);
    }
    public void audiovideosystem() {
        System.out.println(audiovideosystem);
    }
    public void roomNumber() {
        System.out.println(roomnumber);
    }
    public boolean studentsEnteringTheClass(int n1) {
        if(n1>numberofpeople) {
            return true;
        }
        else{
            return false;
        }
    }
    public boolean studentsLeavingTheClass(int n2) {
        if(n2>numberofpeople) {

```

```

        return true;
    }
    else{
        return false;
    }
}

}

public class TestDriver1 {
    public static void main(String[] args) {
        Classroom c1=new Classroom();
        int n,n1,n2,n3;
        n3=c1.details();
        Scanner sc=new Scanner(System.in);

        do{
            System.out.println("Provide a menu as below:\n\n1) View Building
name.\n2) View Room number.\n3) Audio Video System.\n4) number of students
entering the class\n5) number of students leaving the class\n6)Exit\nPlease
enter your choice");
            n=sc.nextInt();
            switch(n){
                case 1:{
                    c1.buildingName();
                    break;
                }
                case 2:{
                    c1.audiovideosystem();
                    break;
                }
                case 3:{
                    c1.roomNumber();
                    break;
                }
                case 4:{
                    System.out.print("ENTER HOW MANY STUDENTS ARE ENTERED:");
                    n1=sc.nextInt();
                    if (c1.studentsEnteringTheClass(n1)){
                        System.out.println(n1);
                        System.out.println("THEY ARE ONLY "+n3+"SEATS AVAILABLE");
                    }
                    else {
                        System.out.println(n1);
                    }
                    break;
                }
                case 5:{
                    System.out.print("ENTER HOW MANY STUDENTS ARE LEAVING:");
                    n2=sc.nextInt();
                    if (c1.studentsLeavingTheClass(n2)){
                        System.out.println(n2);
                        System.out.println("THEY ARE ONLY "+n3+" PEOPLE AVAILABLE");
                    }
                    else {
                        System.out.println(n2);
                    }
                    break;
                }
                case 6:{
                    System.out.println(".....EXIT.....");
                }
                default :{
                    System.out.println("PLEASE ENTER A VALID CHOICE");
                }
            }
        }
    }
}

```

```

        }
    }
}while (n!=6);

}

}

```

OUTPUT:

ENTER BUILDING NAME:

saradha

ENTER IS THERE ANY FACILITY OF AUDIO VIDEO SYSTEM:

yes

ENTER ROOM NUMBER:

109

ENTER NO.OF SEATS IN THE CLASS:

50

Provide a menu as below:

- 1) View Building name.
- 2) View Room number.
- 3) Audio Video System.
- 4) number of students entering the class
- 5) number of students leaving the class
- 6)Exit

Please enter your choice

1

saradha

Provide a menu as below:

- 1) View Building name.
- 2) View Room number.
- 3) Audio Video System.
- 4) number of students entering the class
- 5) number of students leaving the class
- 6)Exit

Please enter your choice

2

yes

Provide a menu as below:

- 1) View Building name.
- 2) View Room number.
- 3) Audio Video System.
- 4) number of students entering the class
- 5) number of students leaving the class
- 6)Exit

Please enter your choice

3

109

Provide a menu as below:

- 1) View Building name.
- 2) View Room number.

- 3) Audio Video System.
- 4) number of students entering the class
- 5) number of students leaving the class
- 6)Exit

Please enter your choice

4

ENTER HOW MANY STUDENTS ARE ENTERED:60

60

THEY ARE ONLY 50 SEATS AVAILABLE

Provide a menu as below:

- 1) View Building name.
- 2) View Room number.
- 3) Audio Video System.
- 4) number of students entering the class
- 5) number of students leaving the class
- 6)Exit

Please enter your choice

5

ENTER HOW MANY STUDENTS ARE LEAVING:60

60

THEY ARE ONLY 50 PEOPLE AVAILABLE

Provide a menu as below:

- 1) View Building name.
- 2) View Room number.
- 3) Audio Video System.
- 4) number of students entering the class
- 5) number of students leaving the class
- 6)Exit

Please enter your choice

6

.....EXIT.....