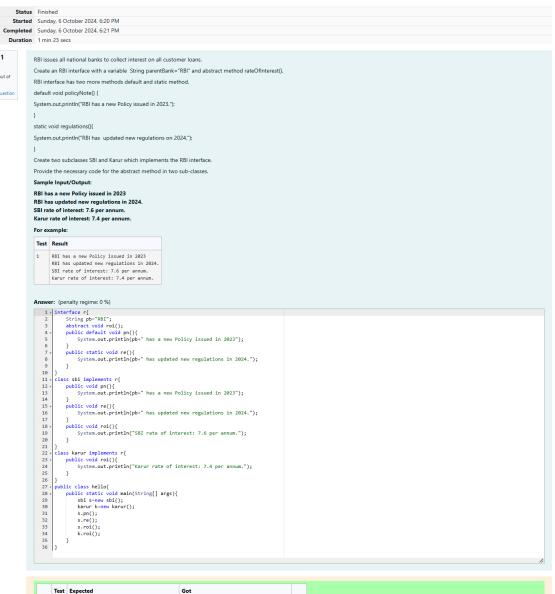
CS23333-Object Oriented Programming Using Java-2023

Question 1

♥ Flag question







Question 2
Correct
Marked out of 5.00

P Flag question

create an interface Playable with a method play() that takes no arguments and returns void. Create three classes Football, Volleyball, and Basketball that implement the Playable interface and override the play 0 method to play the respective sports.

interface Playable {

void play():

```
class Football implements Playable {
    String name:
    public Football(String name){
        this.name=name:
    }
    public void play() {
        System.out.println(name+" is Playing football");
    }
}
Similarly, create Volleyball and Basketball classes.

Sample output:
Sadhvin is Playing football
Sruthi is Playing football
Sruthi is Playing basketball
For example:

Test Input Result
```

Sanjay Sanjay is Playing volleyball
Sruthi Sruthi is Playing basketball

2 Vijay Vijay is Playing football
Arun arun is Playing volleyball
Balaji Balaji is Playing basketball

	Test	Input	Expected	Got	
~	1	Sadhvin Sanjay Sruthi	Sadhvin is Playing football Sanjay is Playing volleyball Sruthi is Playing basketball		~
~	2	Vijay Arun Balaji	Vijay is Playing football Arun is Playing volleyball Balaji is Playing basketball	Vijay is Playing football Arun is Playing volleyball Balaji is Playing basketball	~

Passed all tests! 🗸

Question **3**Correct
Marked out of 5.00

F Flag question

```
Create interfaces shown below.

interface Sports {
public void setHomeTeam(String name);
public void setVisitingTeam(String name);
}
interface Football extends Sports {
public void homeTeamScored(int points);
public void visitingTeamScored(int points);
public void visitingTeamScored(int points);
public void visitingTeamScored(int points);
sublic void visitingTeamScored(int points);
public void visitingTeamScored(int points);
RajalakshingTeamScored(int points);
Sawetha
22
21
Output:
Rajalakshmi 22 scored
Sawettha 21 scored
```

For example:

Raialakshmi is the Winner!

Test	Input	Result
1	Rajalakshmi Saveetha 22 21	Rajalakshmi 22 scored Saveetha 21 scored Rajalakshmi is the winner!

Answer: (penalty regime: 0 %)

49 50 51 52		s.homeTeamSc	m(nname); gTeam(vteam); ored(htpoints); amScored(vtpoints);		
	Test	Input	Expected	Got	
~	1	Rajalakshmi Saveetha 22 21	Rajalakshmi 22 scored Saveetha 21 scored Rajalakshmi is the winner!	Rajalakshmi 22 scored Saveetha 21 scored Rajalakshmi is the winner!	~
~	2	Anna Balaji 21	Anna 21 scored Balaji 21 scored It's a tie match.	Anna 21 scored Balaji 21 scored It's a tie match.	~
~	3	SRM VIT 20 21	SRM 20 scored VIT 21 scored VIT is the winner!	SRM 20 scored VIT 21 scored VIT is the winner!	~