

Exception Handling -3(NullPointerException)

Create a class named **Player** with following private attributes

- String name
- String country
- String skill

Generate appropriate constructors and getter ,setters.

Create a class named **PlayerBO**

Include a method named **displayPlayerDetails** to display the details. The return type of the method is void

Create a Main class to test the above class.

This program may generate **NullPointerException** when the user invokes a method with argument having null value. Use exception handling mechanisms to handle this exception. Use a single catch block. In the catch block, print the class name of the exception thrown.

Note:NullPointerException occurs when the **displayPlayerDetails** method is invoked with captain details as null

Input and Output Format:

Refer sample input and output for formatting specifications.

Read the player details as array of objects

All text in bold corresponds to input and the rest corresponds to output.

Sample Input and Output 1:

Enter the number of players

2

Do you know the details of the captain? Type Yes / No

Yes

Enter name of the captain

Ms Dhoni

Enter country of the captain

India

Enter skillset of the captain

All Rounder

Enter name of player 1

Virat Kohli

Enter country of player 1

India

Enter skillset of player 1

Batsman

Enter name of player 2

Ashwin

Enter country of player 2

India

Enter skillset of player 2

Bowler

Ms Dhoni, India, All Rounder

Player Details

Virat Kohli, India, Batsman

Ashwin, India, Bowler

Sample Input and Output 2:

Enter the number of players

3

Do you know the details of the captain? Type Yes / No

No

Enter name of player 1

Afiridi

Enter country of player 1

Pakistan

Enter skillset of player 1

Bowler

Enter name of player 2

Sachin

Enter country of player 2

India

Enter skillset of player 2

Batsman

Enter name of player 3

Yuvaraj Singh

Enter country of player 3

India

Enter skillset of player 3

All Rounder

Exception Occured : java.lang.NullPointerException

Captain details not available

Player Details

Afiridi, Pakistan, Bowler

Sachin, India, Batsman

Yuvaraj Singh, India, All Rounder

Testcases

S.No	Name	Input	Output	Sample
1	st1	2 Yes Ms Dhoni India All Rounder Virat Kohli India Batsman Ashwin India Bowler	Enter the number of players Do you know the details of the captain? Type Yes / No Enter name of the captain Enter country of the captain Enter skillset of the captain Enter name of player 1 Enter country of player 1 Enter skillset of player 1 Enter name of player 2 Enter country of player 2 Enter skillset of player 2 Ms Dhoni, India, All Rounder Player Details Virat Kohli, India, Batsman Ashwin, India, Bowler	Yes
2	st2	3 No Afiridi Pakistan Bowler Sachin India Batsman Yuvaraj Singh India All Rounder	Enter the number of players Do you know the details of the captain? Type Yes / No Enter name of player 1 Enter country of player 1 Enter skillset of player 1 Enter name of player 2 Enter country of player 2 Enter skillset of player 2 Enter name of player 3 Enter country of player 3 Enter skillset of player 3 Exception Occured : java.lang.NullPointerException Captain details not available Player Details Afiridi, Pakistan, Bowler Sachin, India, Batsman Yuvaraj Singh, India, All Rounder	Yes
3	t3	1 Yes Steve Smith Australia All Rounder David Warner Australia Batsman	Enter the number of players Do you know the details of the captain? Type Yes / No Enter name of the captain Enter country of the captain Enter skillset of the captain Enter name of player 1 Enter country of player 1 Enter skillset of player 1 Steve Smith, Australia, All Rounder Player Details David Warner, Australia, Batsman	No
4	t4	3 No Aaron Finch Australia	Enter the number of players Do you know the details of the captain? Type Yes / No Enter name of player 1	No

		Batsman Peter Nevill Australia Wicket Keeper Glenn Maxwell Australia All Rounder	Enter country of player 1 Enter skillset of player 1 Enter name of player 2 Enter country of player 2 Enter skillset of player 2 Enter name of player 3 Enter country of player 3 Enter skillset of player 3 Exception Occured : java.lang.NullPointerException Captain details not available Player Details Aaron Finch, Australia, Batsman Peter Nevill, Australia, Wicket Keeper Glenn Maxwell, Australia, All Rounder	
5	t5	2 Yes Rohit Sharma India Batsman Ashvin India Bowler Gautam Gambhir India Batsman	Enter the number of players Do you know the details of the captain? Type Yes / No Enter name of the captain Enter country of the captain Enter skillset of the captain Enter name of player 1 Enter country of player 1 Enter skillset of player 1 Enter name of player 2 Enter country of player 2 Enter skillset of player 2 Rohit Sharma, India, Batsman Player Details Ashvin, India, Bowler Gautam Gambhir, India, Batsman	No