**NullPointerException In Java:**

**NullPointerException** is nothing but an exception which occurs if we tried to **perform any operation on object which is null.**

**For Example:**

When we try to access any variable using null object we get null pointer exception.

**Example 1:**

**package** com.live.interview;

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🔴🔴 NullPointerException Demonstration :

NullPointerException is nothing but an exception which occurs if we tried to perform

any operation on object which is null.

Approach to handle NullPointerException :

✔ We have kept the suspicious code inside of the try block . So if at all null pointer exception occurs i

then it goes inside of the catch block so whatever message we have written inside the catch block to be displayed

only when that exception occurs.

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✔ So, in case exception does not occurs means does not contain NULL value then catch block won't be executed .

✔So, we should do both type of handling. I mean if exception occurs then what should be displayed we write that code in catch block.

And if exception does not occur then catch block won't be excuted so we write that code just after the try

block (We keep suspicious code inside of try block).

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**public** **class** NullPointerExceptionDemo

{

// Method to check the NullPointerException

**private** **static** String simpleNullPointerExceptionCheck(String str)

{

//STEP 1 : We keep Suspicious line of code inside of try block and whatever message we want to display in case of error happens inside of the catch block

**try**

{

//⬛⬛ Be informed that If string is found null while checking in line no 34 then it will directly jump to the catch block where we have handled the exception.

**if**(!str.equals(**null**) ) // If str is not null in that case come inside and display the string.

{

**if**(!str.isEmpty())

{

str=str.toUpperCase();

**return** str;

}

**else**

{

**return** "String is empty";

}

}

}

**catch**(NullPointerException npe)

{

npe.printStackTrace();

npe.getMessage();

System.***out***.println("String is null");

}

//STEP 2 : And In case if error does not occur we keep that code just after the catch block as we can't keep code after try block because it's giving an error

**return** "";

}

// Main Method

**public** **static** **void** main(String[] args)

{

// Test Case 1

String str="NullPointerException Demo";

// Test Case 2

// String str=null;

// Test Case 3

// String str="";

String result=*simpleNullPointerExceptionCheck*(str);

System.***out***.println(result);

}

}