Java Interview questions

Java Keywords

Key Concepts

OOPS in java

Exceptions #1

Exceptions #2

Threads#1

Threads#2

InnerClass

Serialization

More InnerClass

Immutable Class

Cloning in Java

JSP #1

JSP #2

Garbage Collection

Programming Q#1

Programming Q#2

Programming Q#3

Key Concepts #2

Java Collections#1

Java Collections #2

Core Java Interview -

Top Java Exception Interview

Jsp Interview -

Questions

Q1) What is an Exception? Ans) The exception is said to be thrown whenever an exceptional event occurs in java which signals that something is not correct with the code written and may give unexpected result. An exceptional event is an occurrence of a condition which alters

Programming Interview -

Q2) Exceptions are defined in which java package?

the normal program flow. Exceptional handler is the code that does something about the exception.

Ans) All the exceptions are subclasses of java.lang.Exception

Q3) How are the exceptions handled in java?

Ans) When an exception occurs the execution of the program is transferred to an appropriate exception handler. The try-catch-finally block is used to handle the exception.

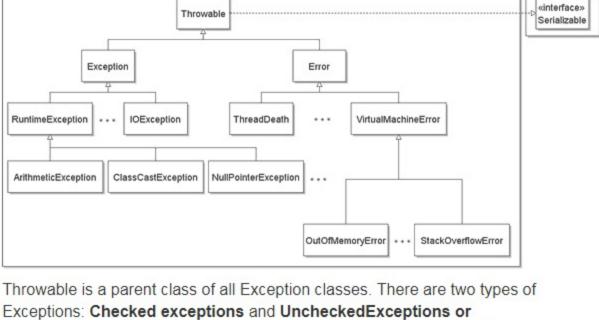
guarded region. The **catch clause** matches a specific exception to a block of code which handles that

The code in which the exception may occur is enclosed in a try block, also called as a

exception. And the cleanup code which needs to be executed no matter the exception occurs or

not is put inside the finally block Q4) Explain the exception hierarchy in java.

Ans) The hierarchy is as follows:



RunTimeExceptions. Both types of exception extends Exception class. Q5) What is Runtime Exception or unchecked exception? Ans) Runtime exceptions represent problems that are the result of a programming

problem. Such problems include arithmetic exceptions, such as dividing by zero;

pointer exceptions: such as trying to access an object through a null reference; and indexing exceptions: such as attempting to access an array element through an index

anywhere in a program, and in a typical one they can be very numerous. Having to add runtime exceptions in every method declaration would reduce a program's clarity. Thus, the compiler does not require that you catch or specify runtime exceptions (although you can). The solution to rectify is to correct the programming logic where

Runtime exceptions need not be explicitly caught in try catch block as it can occur

the exception has occurred or provide a check. Q6) What is checked exception? Ans) Checked exception are the exceptions which force the programmer to catch them explicitly in try-catch block. It is a subClass of Exception. Example: IOException.

Q7) What is the difference between Error and Exception?

that is too large or too small.

Ans) An error is an irrecoverable condition occurring at runtime. Such as

OutOfMemory error. These JVM errors you can not repair them at runtime, the execution of application will come to a halt and is not recoverable.

While exceptions are conditions that occur because of bad input or human error etc. e.g. FileNotFoundException will be thrown if the specified file does not exist. Or a NullPointerException will take place if you try using a null reference. In most of the

cases it is possible to recover from an exception (probably by giving user a feedback for entering proper values etc.) Q8) What is the difference between ClassNotFoundException and NoClassDefFoundError?

Ans) A ClassNotFoundException is thrown when the reported class is not found by the ClassLoader in the CLASSPATH. It could also mean that the class in question is trying to be loaded from another class which was loaded in a parent classloader and

Consider if NoClassDefFoundError occurs which is something like

hence the class from the child classloader is not visible.

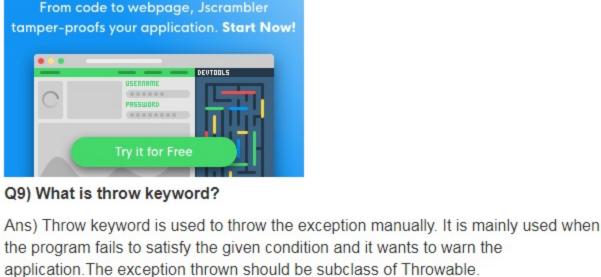
src/com/TestClass

class TestClass was found by the ClassLoader but when trying to load the class, it ran into an error reading the class definition. This typically happens when the class in

java.lang.NoClassDefFoundError

question has static blocks or members which use a Class that's not found by the ClassLoader. So to find the culprit, view the source of the class in question (TestClass in this case) and look for code using static blocks or static members. AdChoices D iscrambler

does not mean that the TestClass class is not in the CLASSPATH. It means that the



public void parent(){

try{ child(); }catch(MyCustomException e){ }

```
public void child
     String iAmMandatory=null;
     if(iAmMandatory == null){
        throw (new MyCustomException("Throwing exception using throw keyword");
Q10) What is use of throws keyword?
Ans) If the function is not capable of handling the exception then it can ask the calling
method to handle it by simply putting the throws clause at the function declaration.
```

public void parent(){ try{ child();

Q12) How to create custom Exception?

exception

}catch(MyCustomException e){ } public void child throws MyCustomException{

```
//put some logic so that the exception occurs.
Q11) What are the possible combination to write try, catch finally block?
Ans)
 1 try{
   //lines of code that may throw an exception
 }catch(Exception e){
```

//lines of code to handle the exception thrown in try block

2 try{}finally{} 3 try{ }catch(Exception e){ //lines of code to handle the exception thrown in try block The catch blocks must always follow the try block. If there are more than one catch blocks they all must follow each other without any block in between. The finally block must follow the catch block if one is present or if the catch block is absent the finally block must follow the try block.

//the clean code which is executed always no matter the exception occurs or not.

Ans) To create you own exception extend the Exception class or any of its subclasses.

class NewException extends IOException { } // this will create Checked

class NewException extends NullPonterException { } // this will create

UnChecked exception Q13) When to make a custom checked Exception or unchecked Exception?

class New1Exception extends Exception { } // this will create Checked Exception

Ans) Checked excepton forces to handle the exception using a try-catch block, unchecked exception doesn't allow explicit handle of exception.

Q14)What is StackOverflowError? Ans) The StackOverFlowError is an Error Object thorwn by the Runtime System when

it Encounters that your application/code has ran out of the memory. It may occur in case of recursive methods or a large amount of data is fetched from the server and stored in some object. This error is generated by JVM. Q15) Why did the designers decide to force a method to specify all uncaught

checked exceptions that can be thrown within its scope? Ans) Any Exception that can be thrown by a method is part of the method's public

programming interface. Those who call a method must know about the exceptions that a method can throw so that they can decide what to do about them. These exceptions are as much a part of that method's programming interface as its parameters and return value. More Questions on Exceptions >>

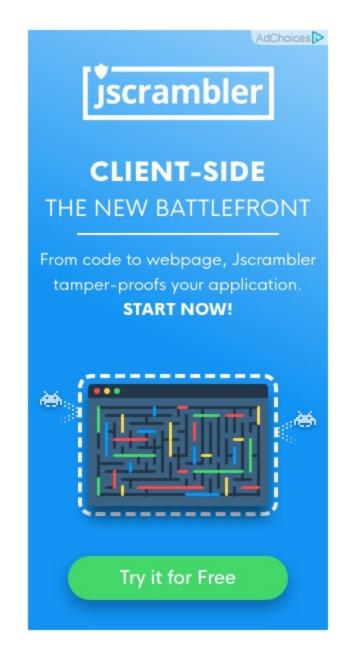
Recommended Reading

Java-Articles

Data Structures

How java manages Memory? When to use hashcode and equals? Comparable and Comparator in java How to create a Singleton class in Java? Difference between equals and ==? When to use abstract class over interface? Immutable objects in Java

Books



Recommend Reading

Comparable and Comparator in java

- How java manages Memory? Why is it advised to use hashcode and equals together?
- How to create Singleton class in Java? Difference between equals and ==?
- When to use abstract class over interface? Difference between final, finally and finalize
- Why is it recommended to ues Immutable objects in Java

Copyright 2018 JavaQuestions, All rights reserved | Sitemap

Email Address *

Subscribe to get latest updates.

Subscribe