Quiz-7

Please try to write brief answer as possible.

What is your Name & ID?

What is Enum in java?

Enum is a constant data type. when we have pre defined data then we can use enam.

What is nested class and do you use it?

netsed class is a class inside a class. we use it when we need more encapsulation.

What is final, finally and finalize?

final is a keyword to make a variable constant and to prevent overriding a method and prevent inheritence in classes.

finally is used to close a program, that means when any try catch block doesn't work or we can say when catch block can't handle exception then we use final and it will definitely be executed regardless the program is completed or not.

finalize is used to destroy object. Java is also a garbage collector that collects object no longer needed by program. But if we don't need the object we can destroy it by using the keyword ‘finalize’.

when finally block is executed in java?

when catch block can't handle the exception then finally block will be executed.

What is an Exception?

Exception are events that happen in runtime and break the normal flow of program. that means when an exception occurs at any point the program won't be run from that point even if the rest of the codes are correct.

What is the difference between error and exception in java?

we can not handle the errors but we can handle the exception in run time.

How are the Exceptions handled in java

when any exception happens in java then the try block throws the exception and the catch block handle it. Exception handling is managed by five keywords such as try, catch, throw, throws, and finally.

What is nested class?

netsed class is a class inside a class. we use it when we need more encapsulation.

What is the use of FileReader and BufferedReader class?

FileReader is basically is used to locate any file and BufferedReader is used to read that file.

What is the use of loop? Write all different kind of loop.

when we need any program to be run repeatedly then we use loop. different kind of loops- for loop, while loop, do while loop.

What is the difference between "while" loop and "do...while" loop?

while loop checks the condition first inside the loop and then perform the program. do while loop performs at least one task first and then checks the condition, and if the condition is not fulfilled then it doesn't go inside the loop.

What is Array in java?

an Array is a collection of variables of the same type.

Where does array stored in memory?

A statically-created array will be on the stack. A dynamically-created array will be allocated on the heap

Write a java code to convert String to Integer and Integer to String.

String to Integer-->

public class StringInt{

public static void main(String[] args){

String m = "1000";

int i = integer.parseInt(m);

System.out.println(i);

}

}

Integer to String-->

public class StringInt{

public static void main(String[] args){

int i = 1000;

String m = String.valueOf(i);

System.out.println(m);

}

}

What is API?

API is Application Programming Interface. API is a list of all classes that are part of the Java development kit (JDK).

Lay out or structure(use cases, constructor and mostly used methods) of the Random and Scanner class API in java.

Random class in java is used to generate different types of random number. Scanner class will allow to take input from the user.

Random random = new Random();

Scanner sc = new Scanner(System.in);

random.nextInt();

sc.nextInt

sc.nextLine();