

40. What happens when we access the same variable defined in two interfaces implemented by the same class?

Answers

1. Compilation failure

2. Runtime Exception

3. The JVM is not able to identify the correct variable

4. The `interfaceName.variableName` needs to be defined

39. Which of the following is an incorrect statement about Interface?

Answers

1. Interfaces specifies what class must do but not how it does
2. Interfaces are specified public if they are to be accessed by any code in the program
3. All variables in interface are implicitly final and static
4. All variables are abstract and methods are static if interface is defined public

38. Which of these class relies upon its subclasses for complete implementation of its methods?

Answers

1. Object class

2. abstract class

3. ArrayList class

4. None of the mentioned

37. What allows the programmer to destroy an object x?

Answers

1. `x.delete()`
2. `x.finalize()`
3. `Runtime.getRuntime().gc()`
4. Only the garbage collection system can destroy an object

36. What is -Xms and -Xmx while starting jvm?

Answers

1. Initial memory; Maximum memory

2. Initial memory

3. Maximum memory

4. Maximum; Initial memory

35. When does Exceptions in Java arises in code sequence?

Answers

1. Run Time

2. Can Occur Any Time

3. Compilation Time

4. None of the mentioned

34. Which of these variables is a static variable defined in Collections?

Answers

1. EMPTY_LIST

2. EMPTY_SET

3. EMPTY_MAP

4. All the answers are true

33. What are the two types of Streams proposed by Java 8?

Answers

1. Random and synchronized
2. Parallel and random
3. Sequential and random
4. Sequential and parallel

32. What are green threads in java?

Answers

1. Green threads are user-level threads
2. Green threads are high level threads
3. Green threads are OS level threads
4. None

31. The synchronized keyword is applicable for whom?

Answers

1. Variables and Methods

2. Methods and Classes

3. Variables and Classes

4. Methods and Blocks

30. How can we create Thread?

Answers

1. By Extending Thread class
2. Implementing Runnable interface
3. By using Executor framework - which can internally form threads
4. All of the above

29. Which of these is valid about threads in java?

Answers

1. Thread consumes cpu in best possible manner
2. Threads enables multi-processing
3. Threads can execute any part of process. And same part of process can be executed by multiple Threads.
4. All

28. Which of these is an interface for control over serialization and deserialization?

Answers

1. `Serializable`

2. `Externalizable`

3. `FileFilter`

4. `ObjectInput`

27. Which statement is true?

Answers

1. `catch(X x)` can catch subclasses of X where X is a subclass of Exception
2. Any statement that can throw an Exception must be enclosed in a try block
3. The Error class is a RuntimeException
4. Any statement that can throw an Error must be enclosed in a try block

26. What is invalid about `java.lang.Error` in java?

Answers

1. Errors are abnormal conditions in application
 2. Error indicates some serious problems that our application should not try to catch
 3. Error is unchecked Exception
 4. Error is a subclass of Throwable
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25. What will be the output of following programs?

```
class Base extends Exception {}
class Derived extends Base {}

public class Main {
    public static void main(String args[]) {
        // some other stuff
        try {
            // Some monitored code
            |    throw new Derived();
        }
        catch(Base b)    {
            System.out.println("Caught base class exception");
        }
        catch(Derived d) {
            System.out.println("Caught derived class exception");
        }
    }
}
```

Answers

1. Caught base class exception
2. Caught derived class exception
3. Compiler Error because base class exception is caught before derived class

24. How to get UTC time?

Answers

1. `Time.getUTC();`

2. `Date.getUTC();`

3. `Instant.now();`

4. `TimeZone.getUTC();`

23. The accuracy and efficiency of a HashMap can be guaranteed with

Answers

1. override equals method
2. override hashCode method
3. Both of the above
4. None of the above

22. Which of these methods can be used to obtain a array from an ArrayList object?

Answers

1. `Array()`

2. `convertArray()`

3. `toArray()`

4. `covertoArray()`

21. While iteration is on and some other thread tries to modify the collection then iterator throws following exception?

Answers

1. `ConcurrentModificationException`
2. `CollectionModificationException`
3. `RandomAccessException`
4. None of the above