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Test Name:	AD - KBA - Core Java
Taken On:	3 Sep 2020 09:16:10 EDT
Time Taken:	83 min 27 sec/ 90 min
Work Experience:	< 1 years
City:	BUFFALO
Course:	[TEK Boston] 2020-Java Developer 01
Invited by:	Customized
Invited on:	2 Sep 2020 15:53:35 EDT

92.3%

360/390

scored in **AD - KBA - Core Java**  
in 83 min 27 sec on 3 Sep 2020  
09:16:10 EDT

Skills Score:

Tags Score:

abstraction	20/20
catch	20/20
classes	30/30
code	30/30
code trace	60/60
composition	10/10
constructors	30/30
declarations	10/10
element	10/10
encapsulation	20/20
extension	10/10
file	30/30
files	10/10
finally	10/10
forms	40/40
functional	40/40
inheritance	30/30
input	10/10
instance variables	0/10
java	360/390
local variables	0/10
manual	10/10
object-oriented	40/40
oops	10/10
operators	10/10
overloading	30/30
packages	10/10
polymorphism	40/40
programming	30/30
respond	10/10

rest	10/10
runtime	10/10
snippets	10/10
switch	10/10
throw	20/20


#### Recruiter/Team Comments:

No Comments.

	Question Description	Time Taken	Score	Status
Q1	<b>Access modifier - protected</b> > Multiple Choice	1 min 30 sec	10/ 10	✓
Q2	<b>Class Declarations</b> > Multiple Choice	1 min 19 sec	10/ 10	✓
Q3	<b>Exception</b> > Multiple Choice	2 min 7 sec	10/ 10	✓
Q4	<b>File Exception</b> > Multiple Choice	8 sec	10/ 10	✓
Q5	<b>Interface</b> > Multiple Choice	2 min 35 sec	10/ 10	✓
Q6	<b>IS-A relationship</b> > Multiple Choice	19 sec	10/ 10	✓
Q7	<b>Method declaration</b> > Multiple Choice	1 min 23 sec	0/ 10	✗
Q8	<b>Method overloading</b> > Multiple Choice	41 sec	10/ 10	✓
Q9	<b>Multiple Inheritance</b> > Multiple Choice	32 sec	10/ 10	✓
Q10	<b>static keyword</b> > Multiple Choice	1 min 42 sec	0/ 10	✗
Q11	<b>How many copies of static (class) variables and instance variables are created when 10 objects are created of a class?</b> > Multiple Choice	3 min 11 sec	0/ 10	✗
Q12	<b>What is an Abstraction in object-oriented programming?</b> > Multiple Choice	2 min 5 sec	10/ 10	✓
Q13	<b>What is an Encapsulation in object-oriented programming?</b> > Multiple Choice	1 min 16 sec	10/ 10	✓
Q14	<b>What is Autoboxing?</b> > Multiple Choice	1 min 9 sec	10/ 10	✓
Q15	<b>What is Inheritance in Object-Oriented Programming?</b> > Multiple Choice	50 sec	10/ 10	✓
Q16	<b>What is Polymorphism In object-oriented programing?</b> > Multiple Choice	2 min 1 sec	10/ 10	✓
Q17	<b>What is the extension of Java source code files?</b> > Multiple Choice	40 sec	10/ 10	✓
Q18	<b>What is the process of defining more than one method in a class differentiated by method signature?</b> > Multiple Choice	20 sec	10/ 10	✓
Q19	<b>What is the return type of Constructors?</b> > Multiple Choice	1 min 36 sec	10/ 10	✓
Q20	<b>What is Truncation for numeric variables in Java?</b> > Multiple Choice	1 min 45 sec	10/ 10	✓
Q21	<b>What should you do when a primitive int data type is required as a corresponding object?</b> > Multiple Choice	2 min 5 sec	10/ 10	✓

Q22	Which of the below is invalid identifier with main method? > Multiple Choice	1 min 21 sec	10/ 10	✓
Q23	Which of the following is a valid declaration of an object of class Box? > Multiple Choice	1 min 25 sec	10/ 10	✓
Q24	Which of the following loops will execute the body of loop even when condition controlling the loop is initially false? > Multiple Choice	1 min 6 sec	10/ 10	✓
Q25	Which of the following modifier means a particular variable cannot be accessed from other class even within the same package? > Multiple Choice	2 min 2 sec	10/ 10	✓
Q26	Which of these is an invalid array declaration? > Multiple Choice	6 min 49 sec	10/ 10	✓
Q27	Which of these operators is used to allocate memory to array variable in Java? > Multiple Choice	1 min 40 sec	10/ 10	✓
Q28	Which of these statements is incorrect? > Multiple Choice	41 sec	10/ 10	✓
Q29	Which one is a valid declaration of a boolean? > Multiple Choice	1 min 27 sec	10/ 10	✓
Q30	Incorrect Polymorphism > Multiple Choice	3 min 41 sec	10/ 10	✓
Q31	Method Overloading > Multiple Choice	4 min 27 sec	10/ 10	✓
Q32	Polymorphism > Multiple Choice	3 min 17 sec	10/ 10	✓
Q33	Exception handling > Multiple Choice	2 min 58 sec	10/ 10	✓
Q34	ETL Code Trace > Multiple Choice	3 min 39 sec	10/ 10	✓
Q35	ETL Code Trace 2 > Multiple Choice	5 min 59 sec	10/ 10	✓
Q36	Java, Code Trace > Multiple Choice	7 min 13 sec	10/ 10	✓
Q37	Operators Code Trace > Multiple Choice	2 min 34 sec	10/ 10	✓
Q38	Code Trace Array Output > Multiple Choice	1 min 11 sec	10/ 10	✓
Q39	Jump statments Code Trace > Multiple Choice	2 min 13 sec	10/ 10	✓

QUESTION 1

  
Correct Answer

Score 10

Access modifier - protected > Multiple Choice

classesconstructorsjavapackages

QUESTION DESCRIPTION


Variables, methods, and constructors, which are declared protected in a superclass can be accessed only by the subclasses in other packages or any class within the package of the protected members' class.

INTERVIEWER GUIDELINES

Please read the material on the following topic to learn more about this question: classes, constructors, java, packages

CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)


☒

☐ TRUE

☐ FALSE

No Comments

QUESTION 2

  
Correct Answer

Score 10

Class Declarations > Multiple Choice

declarationsjavaswitch

QUESTION DESCRIPTION


Which keyword(s) can be part of a class declaration?


INTERVIEWER GUIDELINES


Please read the material on the following topic to learn more about this question: declarations, java, switch

CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)

☒ class

☒ extends

☒ implements

☐ switch

☐ extend

No Comments

**QUESTION 3**

Correct Answer

Score 10

**Exception** > Multiple Choice

catch

finally

java

manual

throw

**QUESTION DESCRIPTION**

Which of these keywords is used to manually/explicitly throw an exception?

**INTERVIEWER GUIDELINES**

Please read the material on the following topic to learn more about this question: catch, finally, java, manual, throw

**CANDIDATE ANSWER**

**Options:** (Expected answer indicated with a tick)

☐

try

☐

catch

☐

finally

☒

throw

No Comments

**QUESTION 4**

Correct Answer

Score 10

**File Exception** > Multiple Choice

file

input

java

throw

**QUESTION DESCRIPTION**

Which of these exceptions is thrown in cases when the file specified for writing is not found?

**INTERVIEWER GUIDELINES**

Please read the material on the following topic to learn more about this question: file, input, java, throw

**CANDIDATE ANSWER**

**Options:** (Expected answer indicated with a tick)

☐

FileNotFoundException

☒

FileNotFoundException

☐

FileInputException

☐

InvalidFileException

No Comments

**QUESTION 5**

Correct Answer

Score 10

**Interface** > Multiple Choice javaQUESTION DESCRIPTION


The fields in an interface are implicitly specified as -

INTERVIEWER GUIDELINES

Please read the material on the following topic to learn more about this question: java

**CANDIDATE ANSWER**

**Options:** (Expected answer indicated with a tick)

- ☐ abstract only
- ☐ final only
-  ☒ abstract and final
- ☐ Integer

No Comments

**QUESTION 6**

Correct Answer

Score 10

**IS-A relationship** > Multiple Choice composition encapsulation inheritance javaQUESTION DESCRIPTION


IS-A relationship in Java is related to -

INTERVIEWER GUIDELINES

Please read the material on the following topic to learn more about this question: composition, encapsulation, inheritance, java


**CANDIDATE ANSWER**

**Options:** (Expected answer indicated with a tick)

- ☐ Encapsulation
-  ☒ Inheritance
- ☐ Composition
- ☐ None of the mentioned

No Comments

QUESTION 7

  
Wrong Answer

Score 0

Method declaration > Multiple Choice java

QUESTION DESCRIPTION

A method declaration has (check all that are correct):

INTERVIEWER GUIDELINES

Please read the material on the following topic to learn more about this question: java

CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)

☒ ☐ A name

☒ ☐ At least one parameter


☒ ☐ A return-type, or void if no value is returned.

☒ ☐ An optional access specifier which, if not present, defaults to package access.

☒ ☐ Parentheses () - with or without a parameter list.

No Comments

QUESTION 8

  
Correct Answer

Score 10

Method overloading > Multiple Choice java overloading

QUESTION DESCRIPTION

If a class of a Java program has a plural number of methods, and all of them have the same name but different parameters (with a change in type or number of arguments), then it is known as method overloading.

INTERVIEWER GUIDELINES

Please read the material on the following topic to learn more about this question: java, overloading

CANDIDATE ANSWER


Options: (Expected answer indicated with a tick)

☒ ☐ TRUE

☐ FALSE

No Comments

QUESTION 9

  
Correct Answer

Score 10

Multiple Inheritance > Multiple Choice

classesinheritancejavapolymorphism

QUESTION DESCRIPTION


Java does not support \_\_\_\_\_.

INTERVIEWER GUIDELINES

Please read the material on the following topic to learn more about this question: classes, inheritance, java, polymorphism

CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)



☒ Multiple inheritance for classes


☐ Polymorphism

☐ Interface

☐ Method Overriding

No Comments

QUESTION 10

  
Wrong Answer

Score 0

static keyword > Multiple Choice

javaloal variables

QUESTION DESCRIPTION

Which of the following best describes the meaning of static?

INTERVIEWER GUIDELINES

Please read the material on the following topic to learn more about this question: java, local variables

CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)

☐


The static keyword can be applied to local variables. This implies that their values persist between calls to the method that declares the variable.

☐

When applied to a class, the static keyword implies that instances of the class are immutable.

☐

The static keyword, when applied to fields, means that the field can only be accessed through instances of the class.



☒ The static keyword can be applied to class members. This implies that the class members (static ones) belong to the class, not to instances of the class.

No Comments



**QUESTION 11**

Wrong Answer

Score 0

**How many copies of static (class) variables and instance variables are created when 10 objects are created of a class?** > Multiple Choice

instance variables

java

**QUESTION DESCRIPTION**

How many copies of static (class) variables and instance variables are created when 10 objects are created of a class?

**INTERVIEWER GUIDELINES**

Please read the material on the following topic to learn more about this question: instance variables, java

**CANDIDATE ANSWER**

**Options:** (Expected answer indicated with a tick)

- ☒ 1, 10  
☐ 10, 10  
☐ 10,1  
☐ 1,1

No Comments

**QUESTION 12**

Correct Answer

Score 10

**What is an Abstraction in object-oriented programming?** > Multiple Choice

abstraction

forms

functional

java

object-oriented

programming

**QUESTION DESCRIPTION**

What is an Abstraction in object-oriented programming?

**INTERVIEWER GUIDELINES**

Please read the material on the following topic to learn more about this question: abstraction, forms, functional, java, object-oriented, programming

**CANDIDATE ANSWER**

**Options:** (Expected answer indicated with a tick)

- ☐ An ability by which one class acquires the properties and behaviors of another class  
☐ Refers to the ability of a variable, function or object to take on multiple forms  
☒ Process of hiding the implementation details from the user, only the functionality will be provided to the user. In other words, the user will have the information on what the object does instead of how it does it.  
☐ A process that binds together the data and functions that manipulate the data and that keeps both safe from outside interference and misuse.

No Comments

**QUESTION 13**

Correct Answer

Score 10

**What is an Encapsulation in object-oriented programming?** > Multiple Choice

encapsulation

forms

functional

java

object-oriented

programming

QUESTION DESCRIPTION


What is an Encapsulation in object-oriented programming?

INTERVIEWER GUIDELINES

Please read the material on the following topic to learn more about this question: encapsulation, forms, functional, java, object-oriented, programming

**CANDIDATE ANSWER**

**Options:** (Expected answer indicated with a tick)

- ☐ An ability by which one object acquires all the properties and behaviors of a parent object
- ☐ Refers to the ability of a variable, function or object to take on multiple forms
- ☐ Process of hiding the implementation details from the user, only the functionality will be provided to the user. In other words, the user will have the information on what the object does instead of how it does it.
- ☒  A process that binds together the data and functions that manipulate the data and that keeps both safe from outside interference and misuse.

No Comments

**QUESTION 14**

Correct Answer

Score 10

**What is Autoboxing?** > Multiple Choice

abstraction

code

java

QUESTION DESCRIPTION


What is Autoboxing?

INTERVIEWER GUIDELINES

Please read the material on the following topic to learn more about this question: abstraction, code, java

**CANDIDATE ANSWER**

**Options:** (Expected answer indicated with a tick)

- ☒  ☐ when a primitive value is automatically converted to its matching wrapper class object
- ☐ when an object of a wrapper class is automatically converted to its matching primitive value
- ☐ A mechanism of wrapping the data (variables) and code acting on the data (methods) together as a single unit
- ☐ A mechanism of Abstraction

No Comments

**QUESTION 15**

Correct Answer

Score 10

**What is Inheritance in Object-Oriented Programming?** > Multiple Choice

forms

functional

inheritance

java

object-oriented

programming

**QUESTION DESCRIPTION**

What is Inheritance in Object-Oriented Programming?

**INTERVIEWER GUIDELINES**

Please read the material on the following topic to learn more about this question: forms, functional, inheritance, java, object-oriented, programming

**CANDIDATE ANSWER****Options:** (Expected answer indicated with a tick)

An ability by which one class acquires the properties and behaviors of another class



Refers to the ability of a variable, function or object to take on multiple forms



Process of hiding the implementation details from the user, only the functionality will be provided to the user. In other words, the user will have the information on what the object does instead of how it does it.



A process that binds together the data and functions that manipulate the data and that keeps both safe from outside interference and misuse.

No Comments

**QUESTION 16**

Correct Answer

Score 10

**What is Polymorphism In object-oriented programing?** > Multiple Choice

forms

functional

java

object-oriented

polymorphism

QUESTION DESCRIPTION

What is Polymorphism In object-oriented programing?

INTERVIEWER GUIDELINES

Please read the material on the following topic to learn more about this question: forms, functional, java, object-oriented, polymorphism

**CANDIDATE ANSWER****Options:** (Expected answer indicated with a tick)

- ☐ An ability by which one class acquires the properties and behaviors of another class
- ☒ Refers to the ability of a variable, function or object to take on multiple forms
- ☐ Process of hiding the implementation details from the user, only the functionality will be provided to the user. In other words, the user will have the information on what the object does instead of how it does it.
- ☐ A process that binds together the data and functions that manipulate the data and that keeps both safe from outside interference and misuse.

No Comments

**QUESTION 17**

Correct Answer

Score 10

**What is the extension of Java source code files?** > Multiple Choice

code

extension

file

files

java

QUESTION DESCRIPTION

What is the extension of Java source code files?

INTERVIEWER GUIDELINES

Please read the material on the following topic to learn more about this question: code, extension, file, files, java

**CANDIDATE ANSWER****Options:** (Expected answer indicated with a tick)

- ☒ .java
- ☐ .class
- ☐ .jv
- ☐ .jar

No Comments

**QUESTION 18**

Correct Answer

Score 10

**What is the process of defining more than one method in a class differentiated by method signature?** > Multiple Choice

java

overloading

**QUESTION DESCRIPTION**

What is the process of defining more than one method in a class differentiated by method signature?

**INTERVIEWER GUIDELINES**

Please read the material on the following topic to learn more about this question: java, overloading

**CANDIDATE ANSWER**

**Options:** (Expected answer indicated with a tick)



Method Overloading



Method Overriding



Method Overwriting



Method Overlapping

No Comments

**QUESTION 19**

Correct Answer

Score 10

**What is the return type of Constructors?** > Multiple Choice

constructors

java

**QUESTION DESCRIPTION**

What is the return type of Constructors?...

**INTERVIEWER GUIDELINES**

Please read the material on the following topic to learn more about this question: constructors, java

**CANDIDATE ANSWER**

**Options:** (Expected answer indicated with a tick)



int



float



void



No explicit return type

No Comments

**QUESTION 20**

Correct Answer

Score 10

**What is Truncation for numeric variables in Java?** > Multiple Choice java**QUESTION DESCRIPTION**

What is Truncation for numeric variables in Java?

**INTERVIEWER GUIDELINES**

Please read the material on the following topic to learn more about this question: java

**CANDIDATE ANSWER****Options:** (Expected answer indicated with a tick)

- ☒ ☐ Floating-point value assigned to an integer type
- ☐ Integer value assigned to floating type
- ☐ Floating-point value assigned to an Floating type
- ☐ None of the Mentioned

No Comments

**QUESTION 21**

Correct Answer

Score 10

**What should you do when a primitive int data type is required as a corresponding object?** > Multiple Choice java respond**QUESTION DESCRIPTION**

What should you do when a primitive int data type is required as a corresponding object?

**INTERVIEWER GUIDELINES**

Please read the material on the following topic to learn more about this question: java, respond

**CANDIDATE ANSWER****Options:** (Expected answer indicated with a tick)

- ☐ Cast it to String
- ☐ Create a class containing that int as its only field
- ☒ ☐ Cast it to its corresponding wrapper class
- ☐ an int datatype is already an object

No Comments

**QUESTION 22**

Correct Answer

Score 10

**Which of the below is invalid identifier with main method?** > Multiple Choice **QUESTION DESCRIPTION**

Which of the below is invalid identifier with main method?

**INTERVIEWER GUIDELINES**

Please read the material on the following topic to learn more about this question: java

**CANDIDATE ANSWER****Options:** (Expected answer indicated with a tick)

- ☐ public
- ☐ static
- ☒ private
- ☐ final

No Comments

**QUESTION 23**

Correct Answer

Score 10

**Which of the following is a valid declaration of an object of class Box?** > Multiple Choice **QUESTION DESCRIPTION**

Which of the following is a valid declaration of an object of class Box?

**INTERVIEWER GUIDELINES**

Please read the material on the following topic to learn more about this question: java

**CANDIDATE ANSWER****Options:** (Expected answer indicated with a tick)

- ☒ ☒ Box obj = new Box();
- ☐ Box obj = new Box;
- ☐ obj = new Box();
- ☐ new Box obj;

No Comments

**QUESTION 24**

Correct Answer

Score 10

**Which of the following loops will execute the body of loop even when condition controlling the loop is initially false?** > Multiple Choice

java

oops

**QUESTION DESCRIPTION**

Which of the following loops will execute the body of loop even when condition controlling the loop is initially false?

**INTERVIEWER GUIDELINES**

Please read the material on the following topic to learn more about this question: java, oops

**CANDIDATE ANSWER**

**Options:** (Expected answer indicated with a tick)



do-while



while



for



None of the above

No Comments

**QUESTION 25**

Correct Answer

Score 10

**Which of the following modifier means a particular variable cannot be accessed from other class even within the same package?** > Multiple Choice

java

**QUESTION DESCRIPTION**

Which of the following modifier means a particular variable cannot be accessed from other class even within the same package?

**INTERVIEWER GUIDELINES**

Please read the material on the following topic to learn more about this question: java

**CANDIDATE ANSWER**

**Options:** (Expected answer indicated with a tick)



private



public



protected



default

No Comments



**QUESTION 26**

Correct Answer

Score 10


**Which of these is an invalid array declaration?** > Multiple Choice java**QUESTION DESCRIPTION**

Which of these is an invalid array declaration?...

**INTERVIEWER GUIDELINES**

Please read the material on the following topic to learn more about this question: java

**CANDIDATE ANSWER****Options:** (Expected answer indicated with a tick)

- ☐ `int[] arr = new int[5];`
- ☐ `int[] arr; arr = new int[5];`
-  ☒ `int[] arr = new int[];`
- ☐ None of the mentioned

No Comments

**QUESTION 27**

Correct Answer

Score 10


**Which of these operators is used to allocate memory to array variable in Java?** > Multiple Choice java operators**QUESTION DESCRIPTION**

Which of these operators is used to allocate memory to array variable in Java?

**INTERVIEWER GUIDELINES**

Please read the material on the following topic to learn more about this question: java, operators

**CANDIDATE ANSWER****Options:** (Expected answer indicated with a tick)

- ☐ `malloc`
- ☐ `alloc`
-  ☒ `new`
- ☐ `new malloc`

No Comments

**QUESTION 28**

Correct Answer

Score 10

**Which of these statements is incorrect?** > Multiple Choice

classes

constructors

java

**QUESTION DESCRIPTION**

Which of these statements is incorrect?

**INTERVIEWER GUIDELINES**

Please read the material on the following topic to learn more about this question: classes, constructors, java

**CANDIDATE ANSWER****Options:** (Expected answer indicated with a tick)

- ☒ ☐ Interfaces can be instantiated
- ☐ Abstract classes may not have abstract methods.
- ☐ Interfaces cannot have constructors.
- ☐ Abstrac classes can have constructors.

No Comments

**QUESTION 29**

Correct Answer

Score 10

**Which one is a valid declaration of a boolean?** > Multiple Choice

java

**QUESTION DESCRIPTION**

Which one is a valid declaration of a boolean?...

**INTERVIEWER GUIDELINES**

Please read the material on the following topic to learn more about this question: java

**CANDIDATE ANSWER****Options:** (Expected answer indicated with a tick)

- ☐ boolean b1 = 1;
- ☐ boolean b2 = "false";
- ☒ boolean b3 = false;
- ☐ boolean b4 = True;

No Comments

**QUESTION 30**

Correct Answer

Score 10

**Incorrect Polymorphism** > Multiple Choice

code

java

polymorphism

snippets

**QUESTION DESCRIPTION**

Given these code snippets:

```
public abstract class Mineral {  
    // define abstract methods for origin, hardness and appearance.  
}  
  
public class Diamond extends Mineral {  
    // implement origin, hardness and appearance methods.  
}
```

Is the following assignment valid?

```
Diamond d = new Mineral();
```

**INTERVIEWER GUIDELINES**

Please read the material on the following topic to learn more about this question: code, java, polymorphism, snippets

**CANDIDATE ANSWER**

**Options:** (Expected answer indicated with a tick)

☐ YES☒ NO

No Comments

**QUESTION 31**

Correct Answer

Score 10

**Method Overloading** > Multiple Choice java overloading rest**QUESTION DESCRIPTION**

A class declares three methods with the same name as shown. Is this a valid example of method overloading? Assume that Fuel is a class defined in the same package.

```
public class FireStarter {  
  
    public void ignite(double oxygenAmount) {  
        // ignite default fuel with the given O2  
    }  
  
    public void ignite(Fuel fuel, int amount) {  
        // ignite the given amount of the fuel with the default amount of  
        oxygen.  
    }  
  
    public void ignite(Fuel fuel, int amount, double oxygenAmount) {  
        // ignite the given amount of the fuel with the given O2  
    }  
}
```

**INTERVIEWER GUIDELINES**

Please read the material on the following topic to learn more about this question: java, overloading, rest

**CANDIDATE ANSWER**

**Options:** (Expected answer indicated with a tick)



TRUE



FALSE

No Comments

**QUESTION 32**

Correct Answer

Score 10

**Polymorphism** > Multiple Choice

element

file

java

polymorphism

**QUESTION DESCRIPTION**

What is the output of the following program? Assume that each class is correctly declared in its own file and that the main method of Chemistry is the JVM entry point.

```
public class Element {
    public String appearance() {
        return "OVERRIDE THIS METHOD";
    }
}
public class Iodine extends Element {
    @Override public String appearance() {
        return "lustrous, purple-black non-metallic solid";
    }
}
public class Chemistry {
    public static void main(String[] args) {
        Element e = new Iodine();
        System.out.println(e.appearance());
    }
}
```

**INTERVIEWER GUIDELINES**

Please read the material on the following topic to learn more about this question: element, file, java, polymorphism

**CANDIDATE ANSWER**

**Options:** (Expected answer indicated with a tick)

- ☒ ☐ lustrous, purple-black non-metallic solid
- ☐ OVERRIDE THIS METHOD
- ☐ The program will not compile because Iodine is not an Element.
- ☐ OVERRIDE THIS METHOD lustrous, purple-black non-metallic solid

No Comments

**QUESTION 33**

Correct Answer

Score 10

**Exception handling** > Multiple Choice

catch

java

runtime

**QUESTION DESCRIPTION**

What will be the output of the following Java program?

```
class ExceptionHandling {
    public static void main(String args[]) {
        try {
            int a, b;
            b = 0;
            a = 5 / b;
            System.out.print("A");
        } catch (ArithmeticException e) {
            System.out.print("B");
        }
    }
}
```

**INTERVIEWER GUIDELINES**

Please read the material on the following topic to learn more about this question: catch, java, runtime

**CANDIDATE ANSWER**

**Options:** (Expected answer indicated with a tick)



B



A



Compile time error



Runtime error

No Comments

## QUESTION 34



Correct Answer

Score 10

## ETL Code Trace &gt; Multiple Choice

java

code trace

## QUESTION DESCRIPTION

What is the output of the following Java program? package test;

```
class A {

    void ETL() {
        String E = "mySQL";
        String T = "Sqoop";
        String L = "hdfs";
        System.out.println(E + T + L);
    };

    void ETL(String ETL) {
        System.out.println(ETL.toUpperCase());
    }

    void ETL(String E, String T, String L) {

        System.out.println(E + T + L);
    }
}

public class Main {

    public static void main(String args[]) {
        String E = "extraction1";
        String T = "transformation2";
        String L = "loading3";

        A obj = new A();
        obj.ETL(E + T + L);
    }
}
```

## INTERVIEWER GUIDELINES

Please read the material on the following topic to learn more about this question: hdfs, java, mysql

## CANDIDATE ANSWER

**Options:** (Expected answer indicated with a tick)

- ☒ ☐ EXTRACTION1TRANSFORMATION2LOADING3
- ☐ extraction1transformation2loading3
- ☐ mySQLSqoophdfs
- ☐ EXTRACTION1 TRANSFORMATION2 LOADING3

No Comments

**QUESTION 35**

Correct Answer

Score 10

**ETL Code Trace 2** > Multiple Choice java code trace**QUESTION DESCRIPTION**

What is the output of the following Java program? package test;

```
class A {
    String E = "extraction ";
    String T = "transformation ";
    String L = "loading ";

    final void ETL() {
        System.out.println(L + T + E);
    };
}

class B extends A {
    void ETL() {
        System.out.println(E + T + L);
    }
}

public class Main {
    public static void main(String args[]) {
        A obj = new B();
        obj.ETL();
    }
}
```

**INTERVIEWER GUIDELINES**

Please read the material on the following topic to learn more about this question: java, runtime

**CANDIDATE ANSWER**

**Options:** (Expected answer indicated with a tick)

- ☐ extraction transformation loading
- ☐ loading transformation extraction
- ☒ Compile time error
- ☐ Runtime error
- ☐ None of the mentioned

No Comments



## QUESTION 36



Correct Answer

Score 10

## Java, Code Trace &gt; Multiple Choice

java

code trace

## QUESTION DESCRIPTION

What is the output of the following Java program?

```
package test;
class A {
    String sdlc[] = {
        "requirement analysis",
        "design",
        "development",
        "testing",
        "implementation",
        "maintenance"
    };
}
class B extends A {
    private String sdlc[] = {
        "r",
        "d",
        "d",
        "t",
        "i",
        "m"
    };
}
class C extends B {
    String sdlc[] = {
        "s",
        "d",
        "l",
        "c"
    };
}
public class Main {
    public static void main(String args[]) {
        B obj = new C();
        for (int i = 0; i < obj.sdlc.length; i++) {
            System.out.print(obj.sdlc[i] + " ");
        }
    }
}
```

## INTERVIEWER GUIDELINES

Please read the material on the following topic to learn more about this question: "c", design, development, java, requirement analysis, runtime, sdlc, testing

## CANDIDATE ANSWER

**Options:** (Expected answer indicated with a tick)

- ☐ requirement analysis design development testing implementation maintenance
- ☐ s d l c
- ☐ r d d t i m
- ☒ Compile time error
- ☐ Runtime error

No Comments

**QUESTION 37**

Correct Answer

Score 10

**Operators Code Trace** > Multiple Choice java code trace**QUESTION DESCRIPTION**

What is the output of the following Java program? package test;

```
public class Bool_operator {  
  
    public static void main(String args[]) {  
        boolean a = true;  
        boolean b = !true;  
        boolean c = a | b;  
        boolean d = a & b;  
        boolean e = d ? b : c;  
        System.out.println(d + " " + e);  
    }  
}
```

**INTERVIEWER GUIDELINES**

Please read the material on the following topic to learn more about this question: java

**CANDIDATE ANSWER**

**Options:** (Expected answer indicated with a tick)

- ☒ ☐ false true
- ☐ false false
- ☐ true false
- ☐ true true

No Comments

**QUESTION 38**

Correct Answer

Score 10

**Code Trace Array Output** > Multiple Choice

java

code trace

**QUESTION DESCRIPTION**

```
What is the output of the following Java program? package test;
public class Array_output
{
    public static void main(String args[]){
        int array_variable[][] = {{ 1, 2, 3}, { 4 , 5, 6}, { 7, 8,
9}}};
        int sum = 0;
        for (int i = 0; i < 3; ++i) {
            for (int j = 0; j < 3 ; ++j) {
                sum = sum + array_variable[i][j];
            }
        }
        System.out.print(sum / 5);
    }
}
```

**INTERVIEWER GUIDELINES**

Please read the material on the following topic to learn more about this question: java

**CANDIDATE ANSWER****Options:** (Expected answer indicated with a tick)

- ☒ 9
- ☐ 10
- ☐ 11
- ☐ 8

No Comments

**QUESTION 39**

Correct Answer

Score 10

**Jump statments Code Trace** > Multiple Choice java code trace**QUESTION DESCRIPTION**

What is the output of the following Java program? package test;

```
public class Jump_statments {  
    public static void main(String args[]) {  
        int x = 2;  
        int y = 0;  
        for (; y < 10; ++y) {  
            if (y % x == 0)  
                continue;  
            else if (y == 8)  
                break;  
            else  
                System.out.print(y + " ");  
        }  
    }  
}
```

**INTERVIEWER GUIDELINES**

Please read the material on the following topic to learn more about this question: java

**CANDIDATE ANSWER**

**Options:** (Expected answer indicated with a tick)

- ☒ ☐ 1 3 5 7 9  
☐ 1 3 5 7  
☐ 1 2 3 4 5 6 7 8 9  
☐ 2 4 6 8

No Comments