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**Full Name:** Vicki McPherson Email: theredshoes33@gmail.com **Test Name:** AD - KBA - Core Java Taken On: 8 Apr 2021 14:01:33 EDT 80 min 56 sec/ 90 min Time Taken: City: Bridgeville [TEK Pittsburgh] 2021-Java Developer 01 Course: Major: Information Design Invited by: Customized Invited on: 7 Apr 2021 12:51:52 EDT Skills Score: Tags Score: 10/20 abstraction 10/20 catch 30/30 classes 10/30 code code trace 0/60 10/10 composition constructors 30/30 declarations 3.33/10 element 0/10 encapsulation 20/20 extension 10/10 20/30 file files 10/10 finally 10/10 40/40 forms functional 40/40 inheritance 30/30 input 10/10 instance variables 10/10 java 230.83/390 local variables 10/10 manual 10/10 object-oriented 40/40 oops 0/10 operators 10/10 overloading packages 10/10 polymorphism 20/40 programming 30/30 respond 0/10

**59.2%** 230/390

scored in **AD - KBA - Core Java** in 80 min 56 sec on 8 Apr 2021 14:01:33 EDT

rest 10/10
runtime 0/10
snippets 0/10
switch 3.33/10
throw 20/20

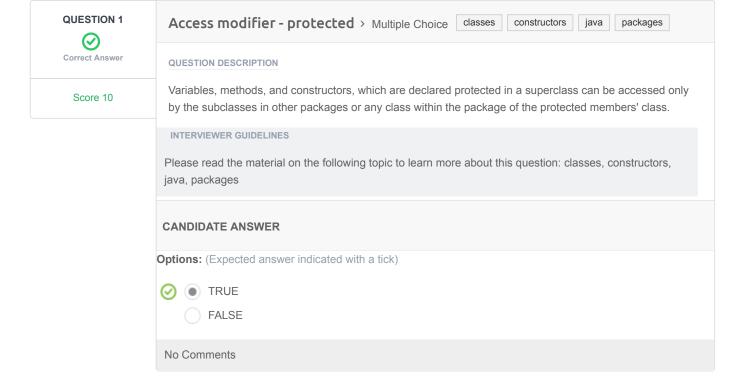
Candidate Feedback:

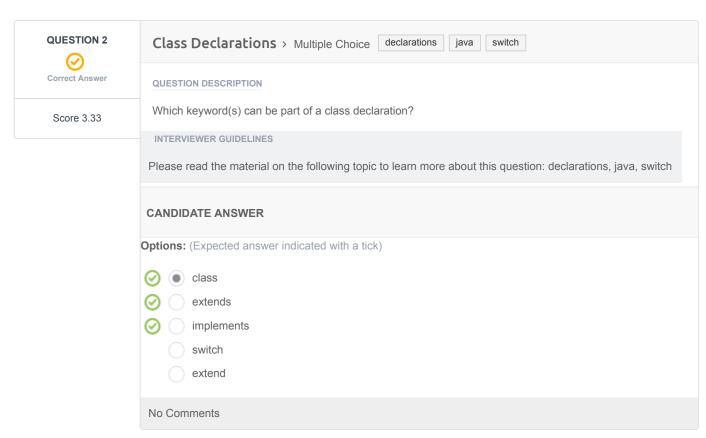
Well it would be nice if we could see our answers on the side somehow

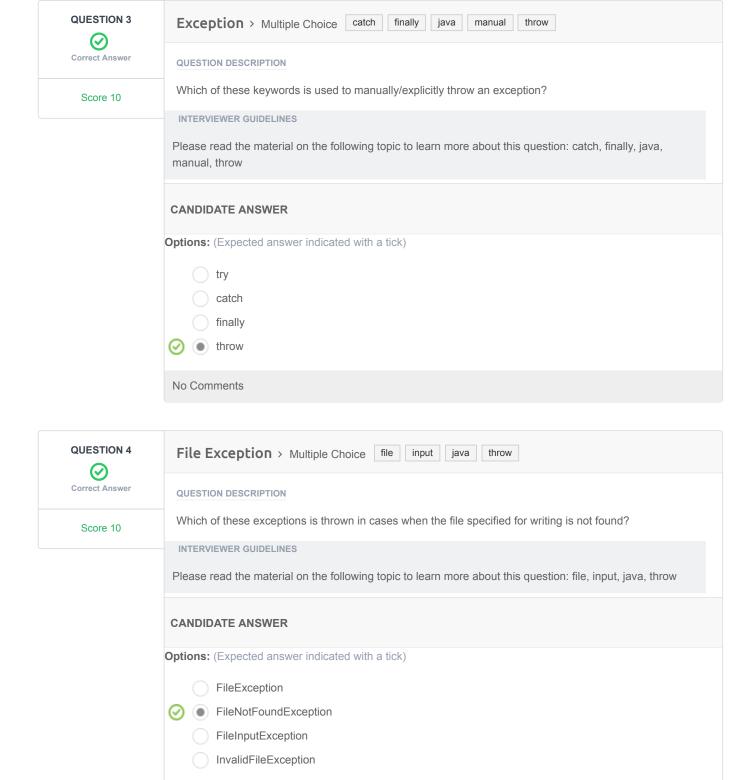
# **Recruiter/Team Comments:**

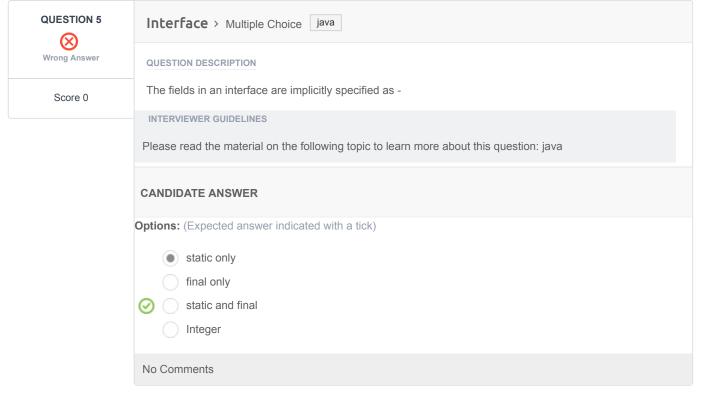
	Question Description	Time Taken	Score	Status
Q1 A	access modifier - protected > Multiple Choice	3 min 31 sec	10/ 10	<b>②</b>
Q2 C	class Declarations > Multiple Choice	5 min 13 sec	3.33/ 10	$\odot$
Q3 E	exception > Multiple Choice	1 min 51 sec	10/ 10	$\odot$
Q4 F	ile Exception > Multiple Choice	1 min 19 sec	10/ 10	<b>②</b>
Q5 In	nterface > Multiple Choice	2 min 32 sec	0/ 10	$\otimes$
Q6 IS	S-A relationship > Multiple Choice	46 sec	10/ 10	$\odot$
Q7 <b>M</b>	lethod declaration > Multiple Choice	3 min 42 sec	7.5/ 10	<b>⊘</b>
Q8 M	lethod overloading > Multiple Choice	1 min 40 sec	10/ 10	<b>②</b>
Q9 M	Iultiple Inheritance > Multiple Choice	1 min 37 sec	10/ 10	<b>⊘</b>
Q10	static keyword > Multiple Choice	2 min 45 sec	10/ 10	<b>⊘</b>
	How many copies of static (class) variables and instance variables are created 0 objects are created of a class? > Multiple Choice	7 min 9 sec	10/ 10	<b>⊘</b>
Q12	What is an Abstraction in object-oriented programming?> Multiple Choice	1 min 45 sec	10/ 10	<b>②</b>
Q13	What is an Encapsulation in object-oriented programming?> Multiple Choice	2 min 29 sec	10/ 10	<b>②</b>
Q14	What is Autoboxing?> Multiple Choice	36 sec	0/ 10	$\otimes$
Q15	What is Inheritance in Object-Oriented Programming? > Multiple Choice	1 min 53 sec	10/ 10	<b>②</b>
Q16	What is Polymorphism In object-oriented programing? > Multiple Choice	22 sec	10/ 10	<b>⊘</b>
Q17	What is the extension of Java source code files? > Multiple Choice	16 sec	10/ 10	<b>⊘</b>
	What is the process of defining more than one method in a class differentiated hod signature? > Multiple Choice	2 min 39 sec	10/ 10	<b>⊘</b>
Q19	What is the return type of Constructors?> Multiple Choice	14 sec	10/ 10	<b>⊘</b>
Q20	What is Truncation for numeric variables in Java? > Multiple Choice	2 min 40 sec	0/ 10	$\otimes$
	What should you do when a primitive int data type is required as a ponding object? > Multiple Choice	2 min 37 sec	0/ 10	8

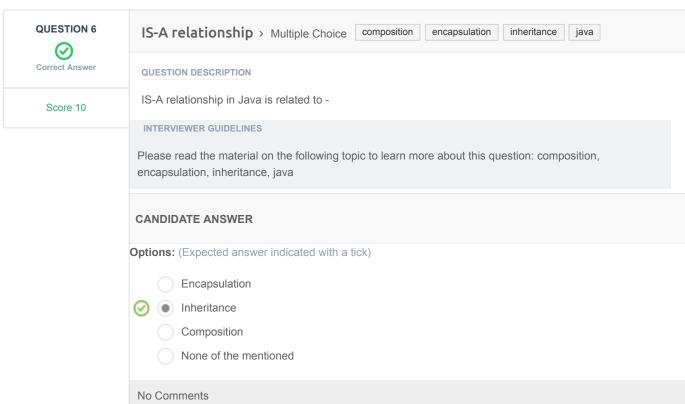
Q22	Which of the below is invalid identifier with main method? > Multiple Choice	2 min 1 sec	10/ 10	<b>Ø</b>
Q23 Multi	Which of the following is a valid declaration of an object of class Box? > ple Choice	1 min 13 sec	10/ 10	<b>⊘</b>
Q24 contr	Which of the following loops will execute the body of loop even when condition colling the loop is initially false? > Multiple Choice	3 min 14 sec	0/ 10	8
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 35 sec 10/10		<b>⊘</b>		
Q26	Which of these is an invalid array declaration? > Multiple Choice	2 min 17 sec	0/ 10	8
Q27 Multi	Which of these operators is used to allocate memory to array variable in Java? > ple Choice	1 min 13 sec	10/ 10	<b>⊘</b>
Q28	Which of these statements is incorrect?> Multiple Choice	49 sec	10/ 10	<b>⊘</b>
Q29	Which one is a valid declaration of a boolean? > Multiple Choice	28 sec	10/ 10	<b>⊘</b>
Q30	Incorrect Polymorphism > Multiple Choice	1 min 56 sec	0/ 10	8
Q31	Method Overloading > Multiple Choice	2 min 19 sec	10/ 10	<b>⊘</b>
Q32	Polymorphism > Multiple Choice	1 min 38 sec	0/ 10	8
Q33	Exception handling > Multiple Choice	1 min 58 sec	0/ 10	8
Q34	ETL Code Trace > Multiple Choice	38 sec	0/ 10	8
Q35	ETL Code Trace 2> Multiple Choice	41 sec	0/ 10	8
Q36	Java, Code Trace > Multiple Choice	1 min 40 sec	0/ 10	8
Q37	Operators Code Trace > Multiple Choice	1 min 17 sec	0/ 10	8
Q38	Code Trace Array Output > Multiple Choice	1 min 26 sec	0/ 10	8
Q39	Jump statments Code Trace > Multiple Choice	57 sec	0/ 10	8

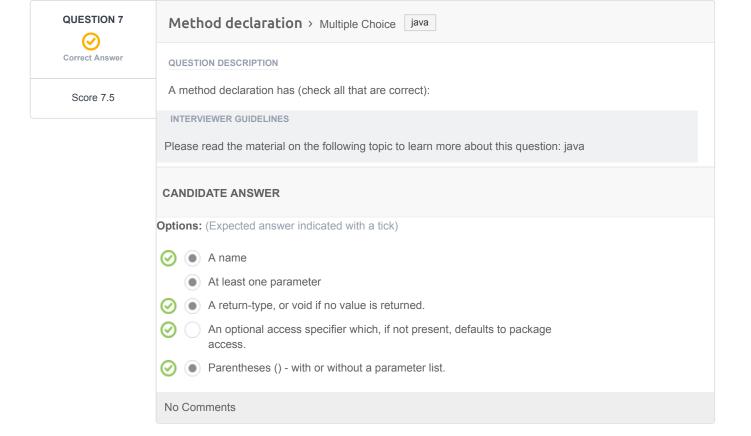


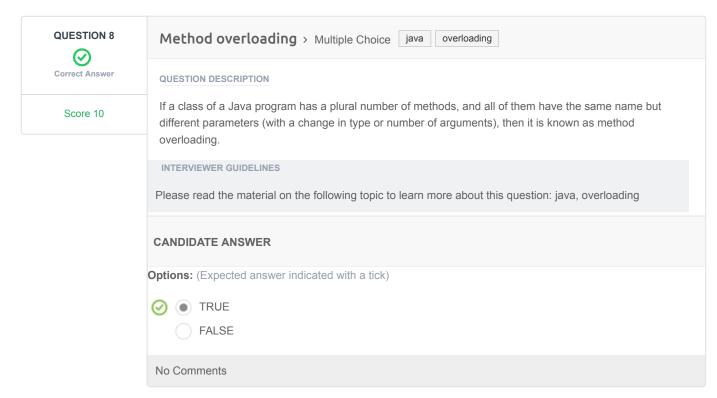


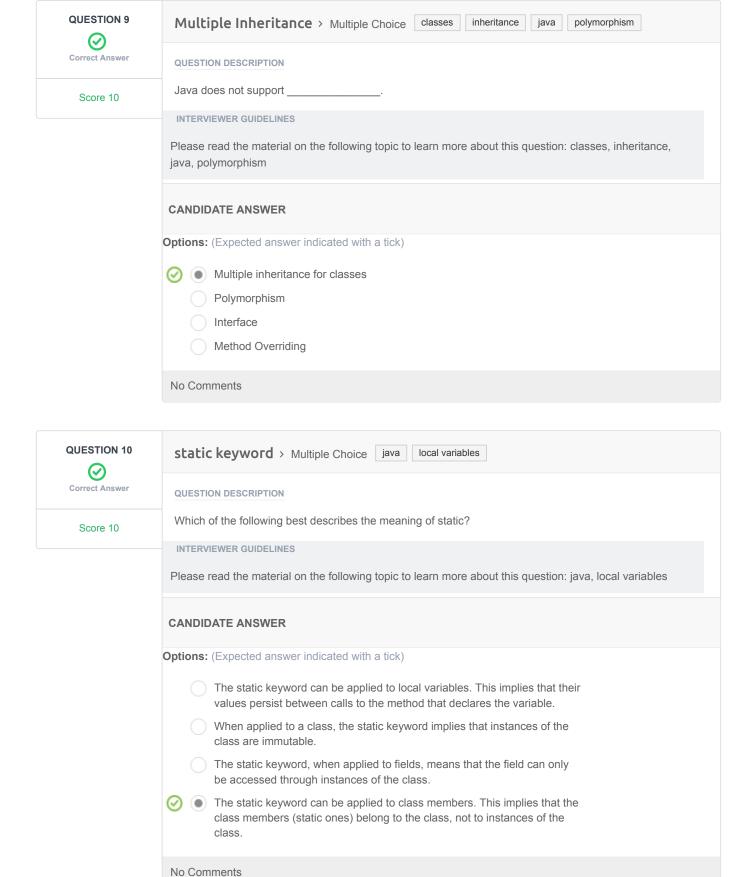


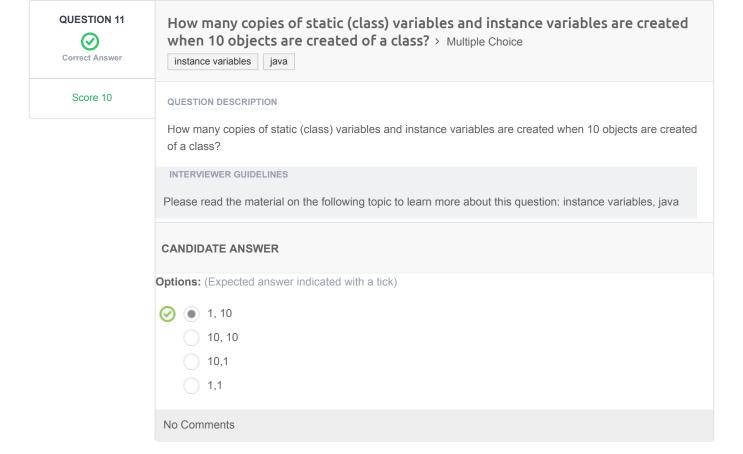


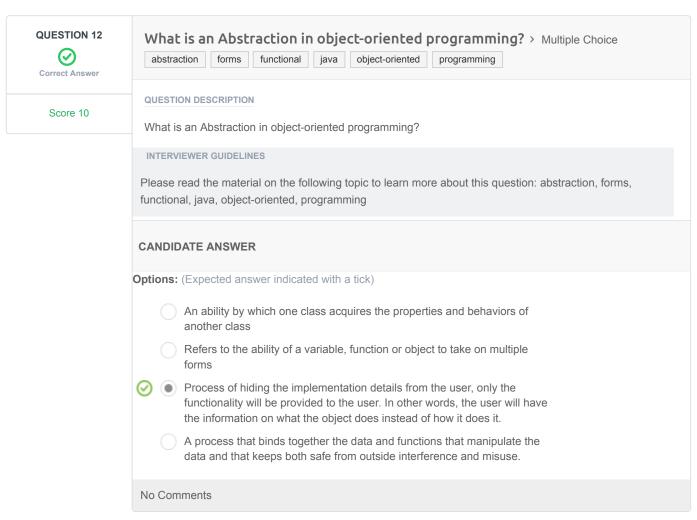


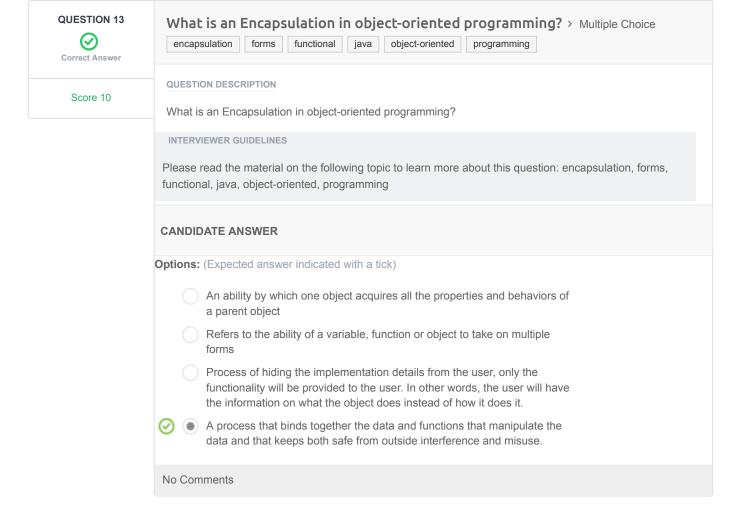


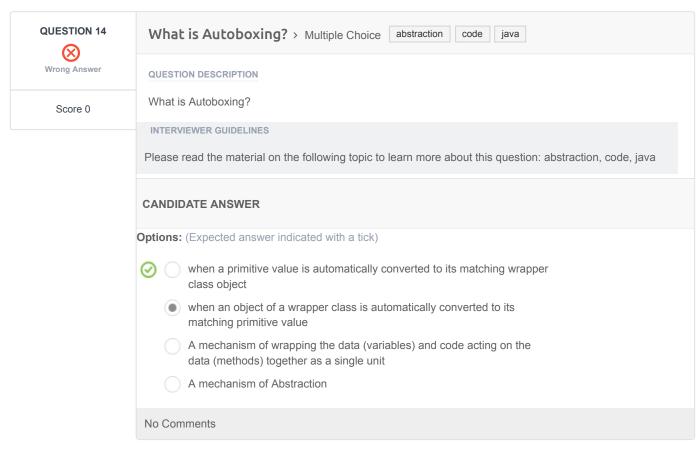


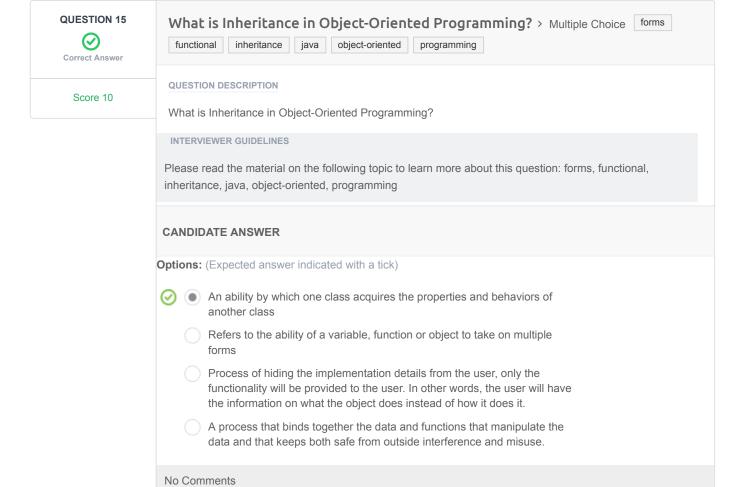


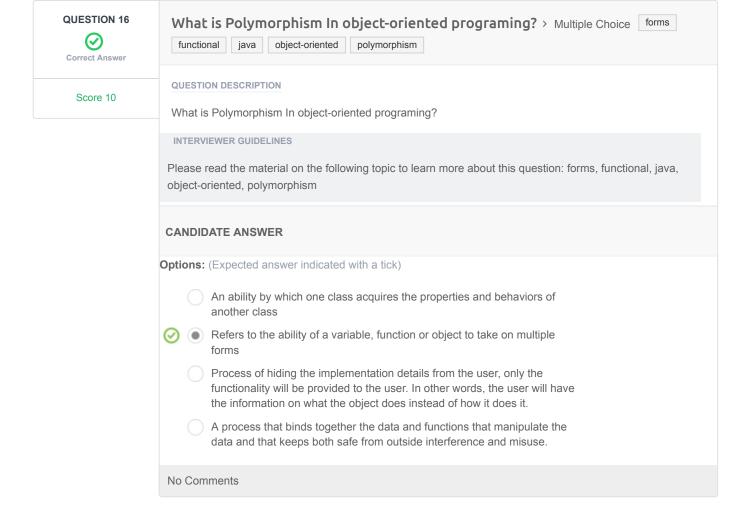


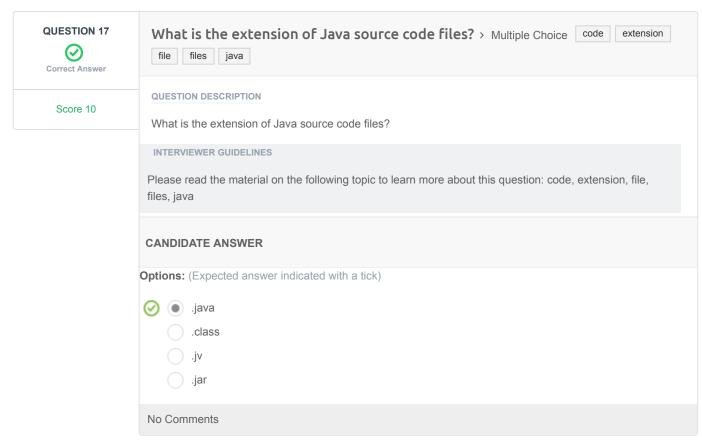


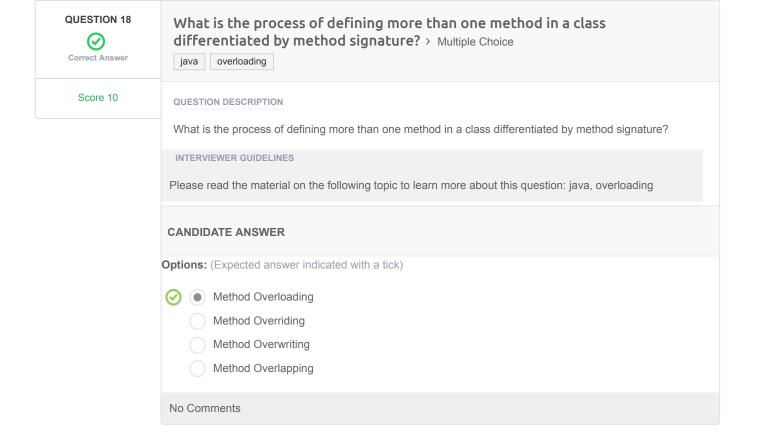


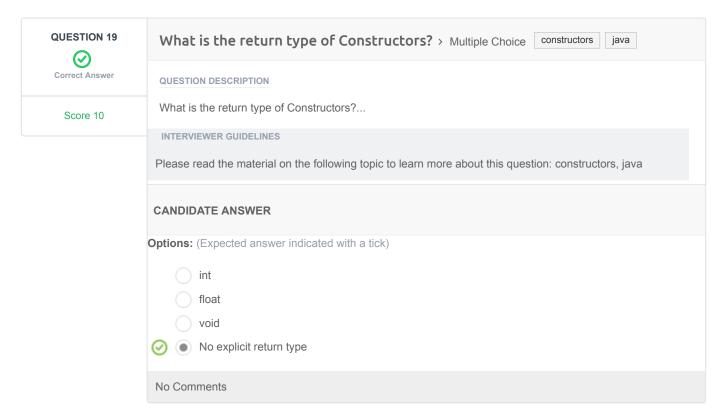


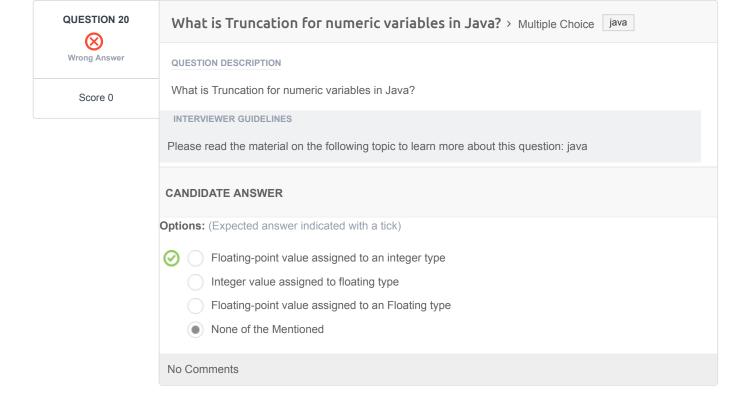


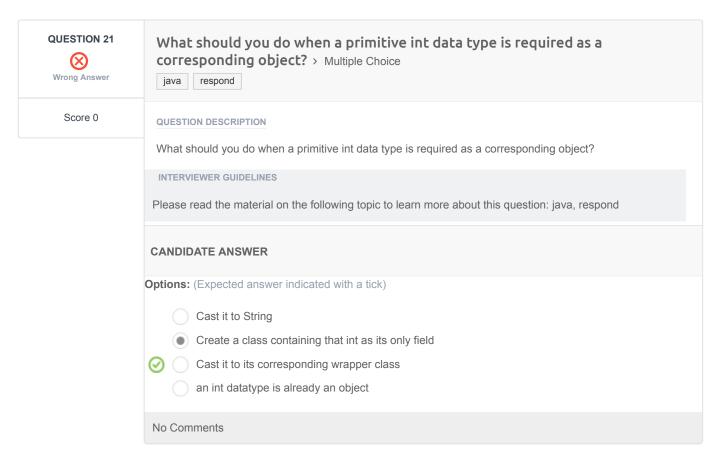








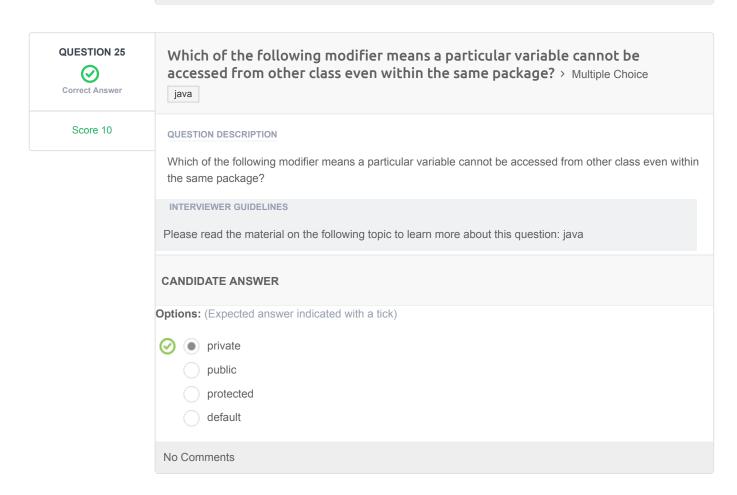




QUESTION 22	Which of the below is invalid identifier with main method? > Multiple Choice java
Correct Answer	QUESTION DESCRIPTION
Score 10	Which of the below is invalid identifier with main method?
	Please read the material on the following topic to learn more about this question: java
	CANDIDATE ANSWER
	Options: (Expected answer indicated with a tick)  public static  private final
	No Comments

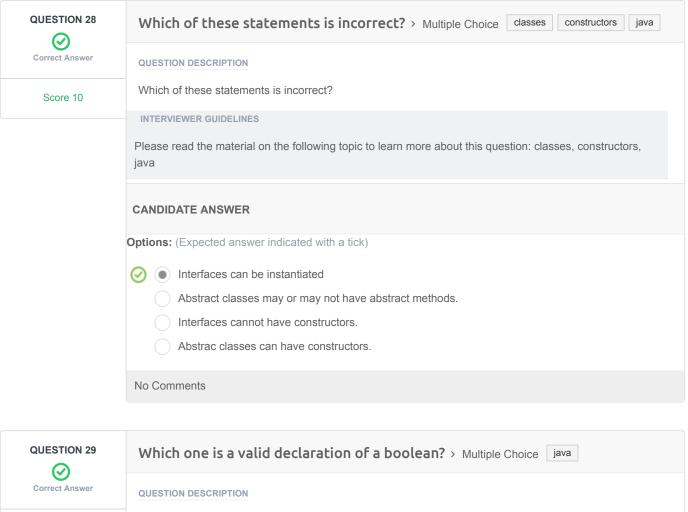
QUESTION 23  Correct Answer	Which of the following is a valid declaration of an object of class Box? > Multiple Choice  java
Score 10	QUESTION DESCRIPTION
	Which of the following is a valid declaration of an object of class Box?
	INTERVIEWER GUIDELINES
	Please read the material on the following topic 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

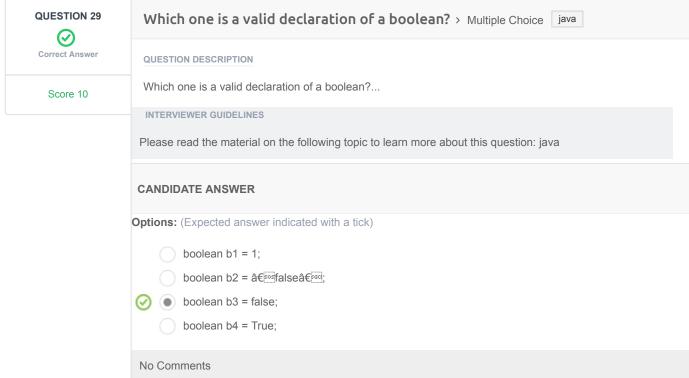
QUESTION 24  Wrong Answer	Which of the following loops will execute the body of loop even when condition controlling the loop is initially false? > Multiple Choice  java oops
Score 0	QUESTION DESCRIPTION
	Which of the following loops will execute the body of loop even when condition controlling the loop 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)
	o do-while
	while
	for
	None of the above
	No Comments

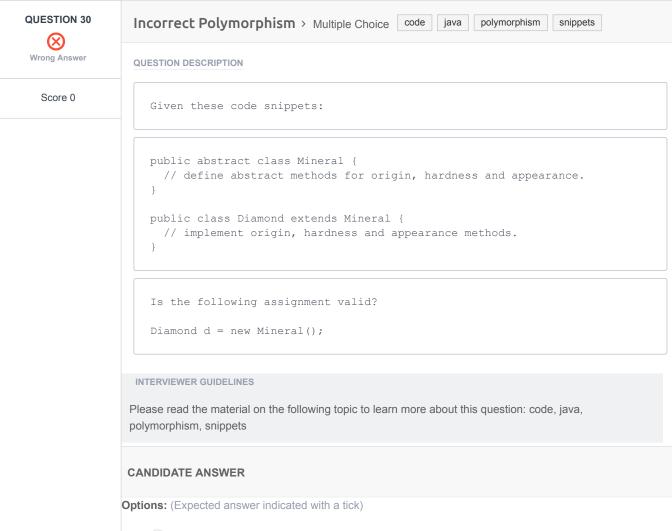


QUESTION 26	Which of these is an invalid array declaration? > Multiple Choice java	
Wrong Answer	QUESTION DESCRIPTION	
Score 0	Which of these is an invalid array declaration?	
	INTERVIEWER GUIDELINES	
	Please read the material on the following topic to learn more about this question: java	
	CANDIDATE ANSWER	
	Options: (Expected answer indicated with a tick)	
	<pre>int[] arr = new int[5]; int[] arr; arr = new int[5];</pre>	
	int[] arr = new int[];	
	None of the mentioned	
	No Comments	

QUESTION 27  Correct Answer	Which of these operators is used to allocate memory to array variable in Java? > Multiple Choice  java operators
Score 10	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









YES





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 02
 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 02
```

#### 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



Score 0

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 lodine is not an Element.
  - OVERRIDE THIS METHOD lustrous, purple-black non-metallic solid

# **QUESTION 33** Exception handling > Multiple Choice | catch | java Wrong Answer QUESTION DESCRIPTION Score 0 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)





Compile time error

Runtime error



Score 0

ETL Code Trace > 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 \text{ obj} = \text{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



Score 0

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
- Ompile time error
  - Runtime error
  - None of the mentioned



Score 0

Java, Code Trace > Multiple Choice java

java code tr

**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",
            "1",
            "c"
        };
    public class Main {
        public static void main(String args[]) {
           B obj = new C();
            for (int i = 0; i < obj.sdlc.length; i++) {</pre>
                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
- sdlc
- rddtim
- Compile time error
  - Runtime error

**QUESTION 37** Operators Code Trace > Multiple Choice java code trace Wrong Answer QUESTION DESCRIPTION Score 0 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  $c = a \mid \mid b;$ 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



Score 0

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)

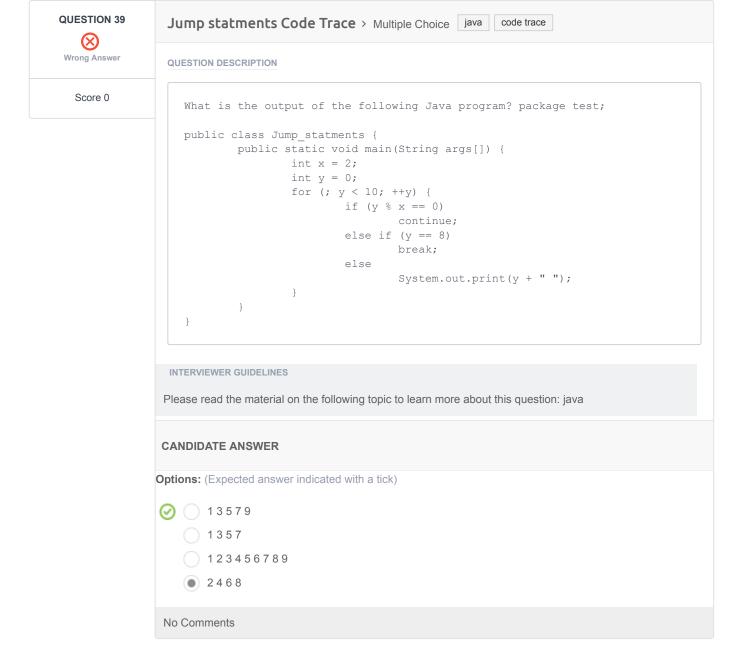




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