

You can view this report online at: https://www.hackerrank.com/x/tests/765284/candidates/17977913/report

Full Name: Xi Chen Email: xc4@andrew.cmu.edu **Test Name:** AD - KBA - JDBC & ORM & Unit Testing Taken On: 1 Oct 2020 09:16:13 EDT Time Taken: 75 min 3 sec/ 80 min BUFFALO City: Course: [TEK Boston] 2020-Java Developer 01 Customized Invited by: Invited on: 30 Sep 2020 17:01:16 EDT Skills Score: Tags Score: JDBC 0/10 JUnit 10/10 api 40/40 build 10/10 20/30 classes code 10/10 collection 20/20 20/20 collections 40/40 component components 10/10 10/10 composition content 10/10 database 70/80 120/140 developer distributed 10/10 10/10 dynamic element 10/10 file 10/20 framework 20/20 20/30 functional 10/10 generator 10/10 hibernate 90/100 java jdbc 120/140 language 10/10 30/40 manager manual 10/10 performance 10/10 10/10 programming request 10/10 sentry 0/10

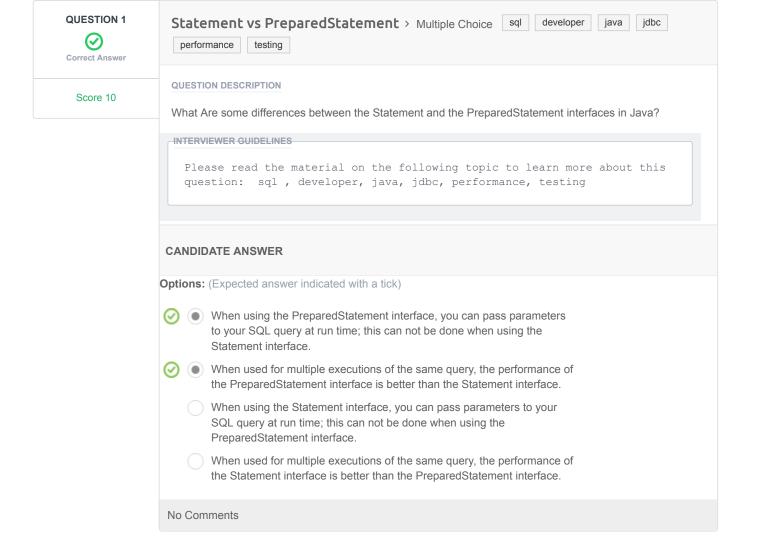
80% 160/200

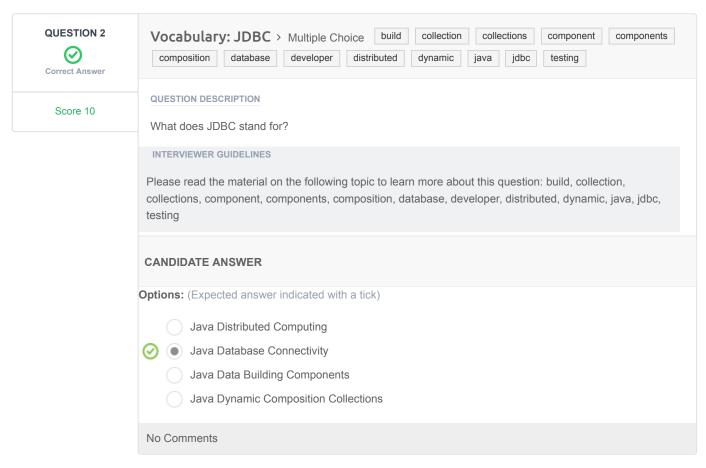
scored in AD - KBA - JDBC &
ORM & Unit Testing in 75 min 3
sec on 1 Oct 2020 09:16:13 EDT

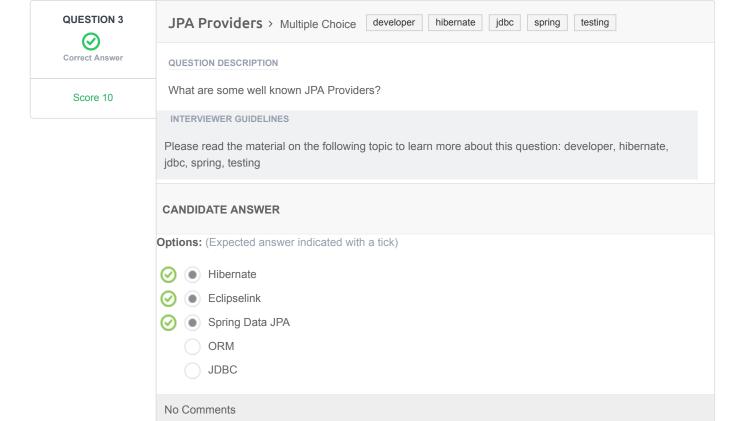
software 30/30
spring 10/10
sql 30/30
testing 120/140
util 10/10

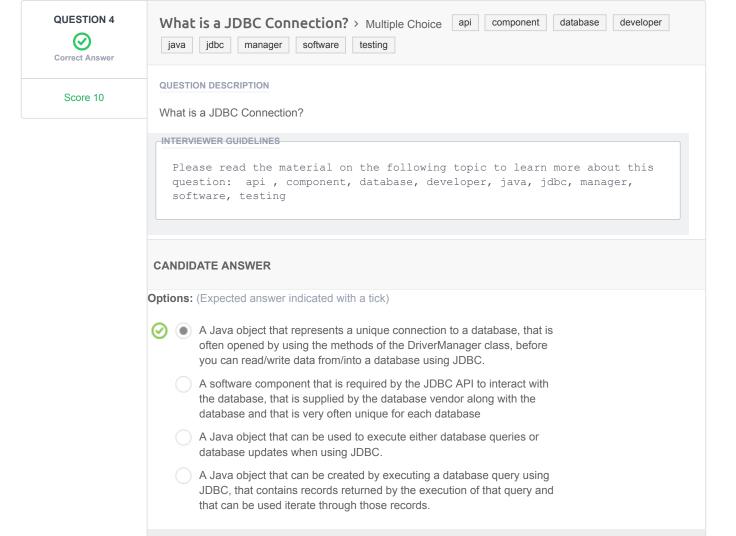
Recruiter/Team Comments:

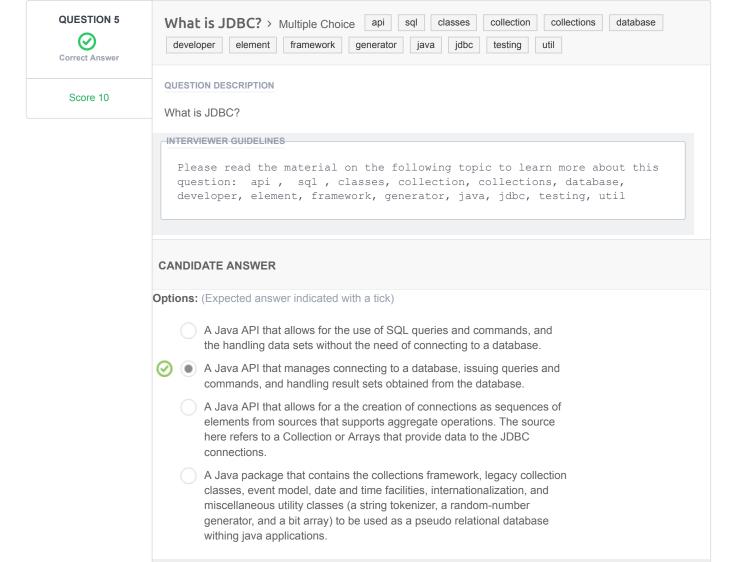
	Question Description	Time Taken	Score	Status
Q1	Statement vs PreparedStatement > Multiple Choice	2 min 38 sec	10/ 10	Ø
Q2	Vocabulary: JDBC > Multiple Choice	17 sec	10/ 10	Ø
Q3	JPA Providers > Multiple Choice	1 min 48 sec	10/ 10	⊘
Q4	What is a JDBC Connection? > Multiple Choice	5 min 22 sec	10/ 10	⊘
Q5	What is JDBC?> Multiple Choice	2 min 23 sec	10/ 10	⊘
Q6	What is a JDBC ResultSet? > Multiple Choice	1 min 11 sec	10/ 10	Ø
Q7	What is a JDBC Statement? > Multiple Choice	1 min 52 sec	10/ 10	Ø
Q8	What is a JPA Entity? > Multiple Choice	3 min 13 sec	10/ 10	⊘
Q9	executeQuery vs executeUpdate > Multiple Choice	3 min	10/ 10	⊘
Q10	What is a JPA EntityManagerFactory?> Multiple Choice	5 min 24 sec	0/ 10	\otimes
Q11	How can we test a method declared as protected?> Multiple Choice	1 min 36 sec	10/ 10	⊘
Q12	What is JUnit ?> Multiple Choice	28 sec	10/ 10	Ø
Q13	Parameterized tests > Multiple Choice	37 sec	10/ 10	Ø
Q14	hasEntry > Multiple Choice	1 min 40 sec	0/ 10	8
Q15	assertEquals() > Multiple Choice	4 min 34 sec	10/ 10	⊘
Q16	What does executeUpdate return if multiple lines are affected?> Multiple Choice	12 min 23 sec	10/ 10	⊘
Q17	Does .persist() method updates or inserts > Multiple Choice	11 min 26 sec	10/ 10	⊘
Q18	Output of the following code snippet > Multiple Choice	5 min 5 sec	0/ 10	\otimes
Q19	@BeforeAll (JUnit 5) or @BeforeClass (JUnit 4) > Multiple Choice	8 min 6 sec	0/ 10	\otimes
Q20	assertEquals() > Multiple Choice	1 min 49 sec	10/ 10	Ø

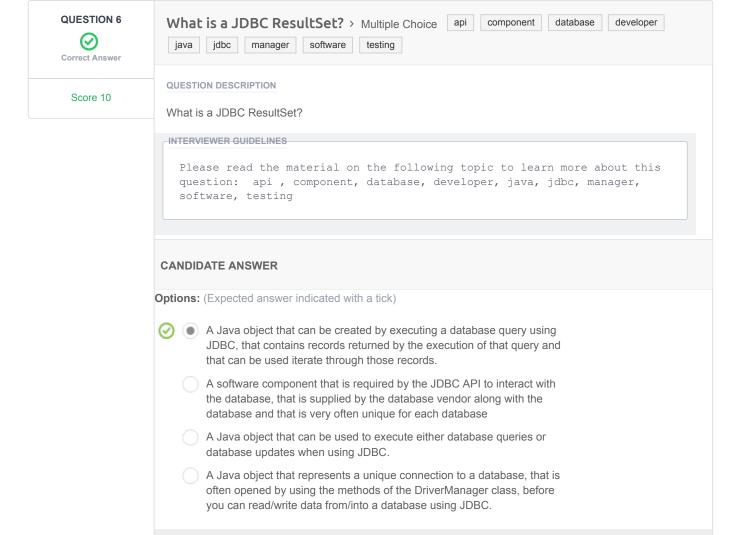


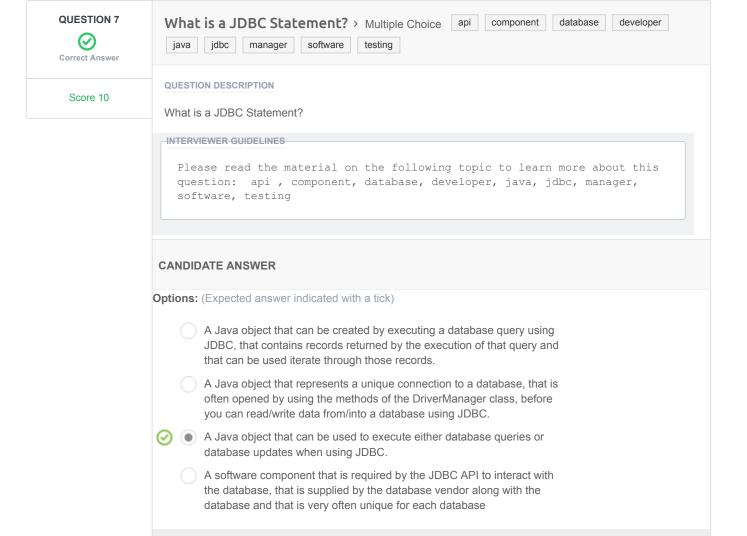


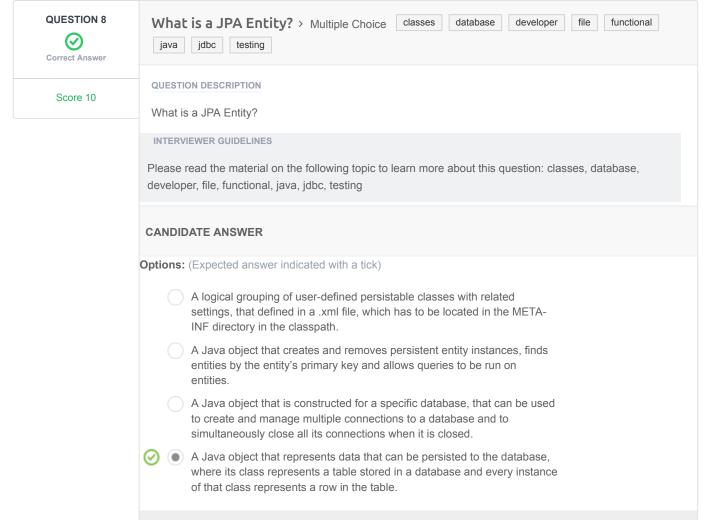






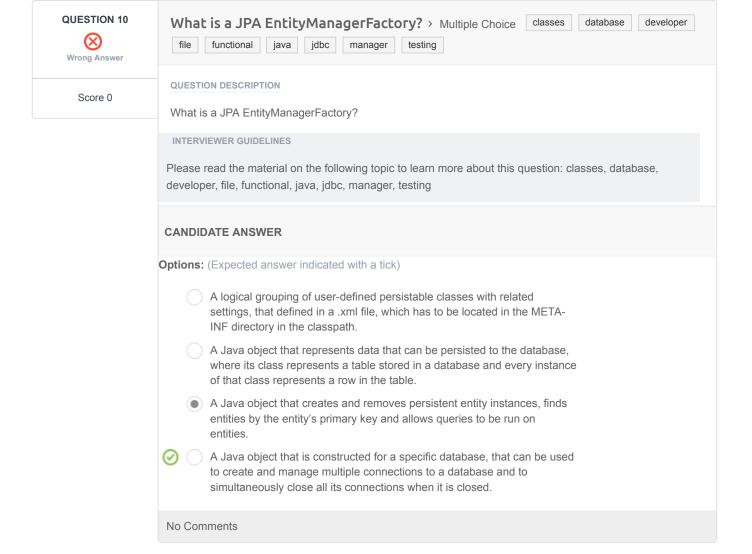


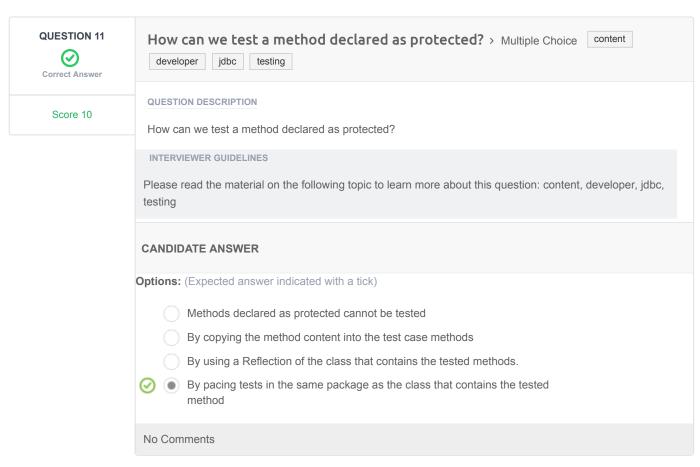


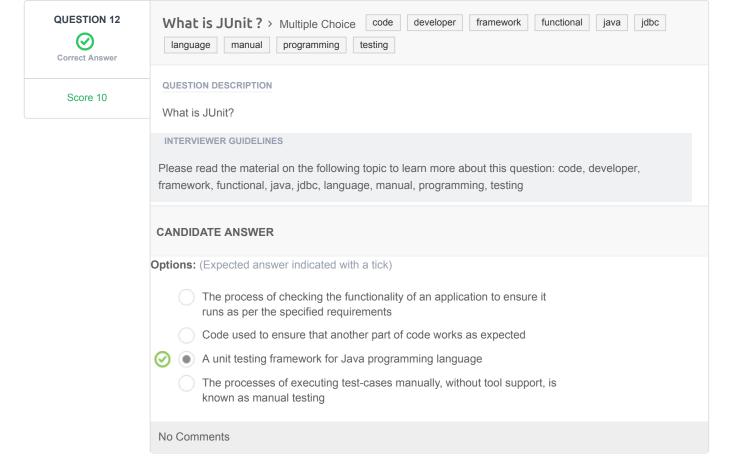


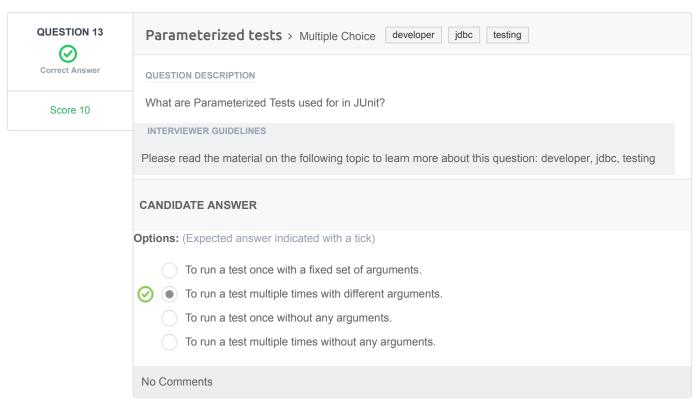
QUESTION 9 executeQuery vs executeUpdate > Multiple Choice | sql database developer request testing Correct Answer QUESTION DESCRIPTION Score 10 In Java, What is the difference between the executeQuery(String sql) and the executeUpdate(String sql) of Statement interface? INTERVIEWER GUIDELINES Please read the material on the following topic to learn more about this question: sql , database, developer, java, jdbc, request, testing **CANDIDATE ANSWER Options:** (Expected answer indicated with a tick) The executeUpdate(String sql) method is most often is used to execute DML statements (INSERT, UPDATE and DELETE) and it returns an int value representing the count of the rows affected by its execution. The executeQuery(String sql) method is used to retrieve data from the database by executing a DQL(SELECT) statement and it returns a ResultSet object containing data requested by executed sql statement. The executeQuery(String sql) method is most often is used to execute DML statements (INSERT, UPDATE and DELETE) and it returns an int value representing the count of the rows affected by its execution. The executeUpdate(String sql) method is used to retrieve data from the database by executing a DQL(SELECT) statement and it returns a ResultSet object containing data requested by executed sql statement. The executeUpdate(String sql) method is most often is used to execute DML statements (INSERT, UPDATE and DELETE) and it returns a ResultSet object containing data requested by executed sql statement. The executeQuery(String sql) method is used to retrieve data from the database by executing a DQL(SELECT) statement and it returns an int value representing the count of the rows affected by its execution. the executeUpdate(String sql) and executeUpdate(String sql) methods are equivalent and serve the sam function on the Statement and the

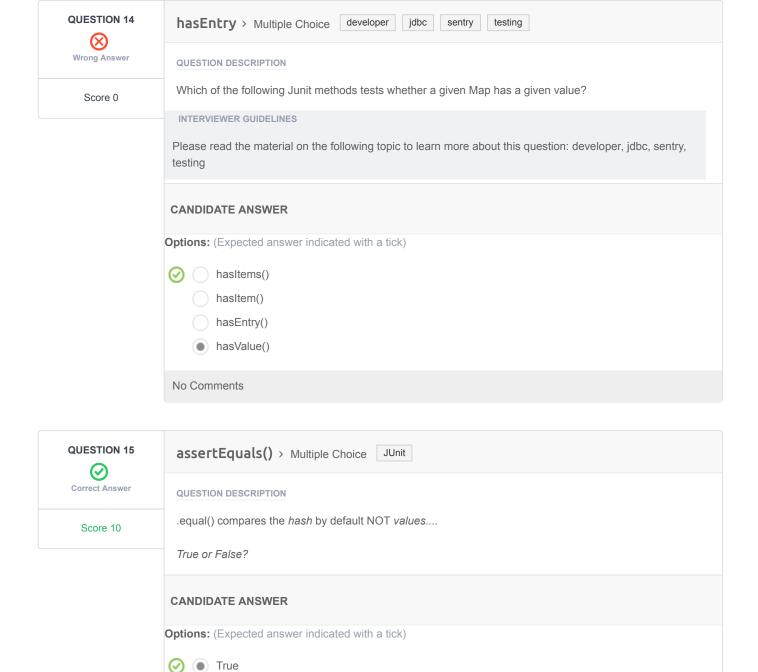
PreparedStatement interfaces respectively.











False

QUESTION 16



Score 10

What does executeUpdate return if multiple lines are affected? > Multiple Choice

QUESTION DESCRIPTION

What is the most likely output of the following code snippet?

```
public class Driver {
   public static void main(String[] args) throws Exception {
       /\star You can ignore this block and assuming the connection was
successful*/
        Connection conn = DriverManager.getConnection(
            "jdbc:mysql://localhost:3306/mydatabase",
            "root",
            "password");
        Statement stmt = conn.createStatement();
        String createTable =
            "CREATE TABLE IF NOT EXISTS EMPLOYEE(" +
            "ID INT NOT NULL," +
            "NAME VARCHAR(200))";
        stmt.executeUpdate(createTable);
        String insertData =
            "INSERT INTO EMPLOYEE VALUES " +
            "(0,'luci')," +
            "(1,'Stan')," +
            "(2,'Faustus')";
        System.out.println(stmt.executeUpdate(insertData));
}
```

CANDIDATE ANSWER

2-41	/Exmanted		indicated	م ماختیب	41.01.4	
Jotions:	(Expected	answer	maicalea	WILLI S	l lick)	

- 0
- 0 2
- **O** (

 - true
 - false
 - java.sql.SQLException: (conn=01) Operand should contain 1 column(s)

No Comments

QUESTION 17



Correct Answer

Score 10

Does .persist() method updates or inserts > Multiple Choice

QUESTION DESCRIPTION

What is the most likely output of the following program? (excluding any [EL Info] or [EL Warning] messages), please assume all imports are correct.

Main.java

Employee.java

```
@Entity
@Table(name = "Employee")
public class Employee {
    @Id
    @Column(name = "id")
    String id;
    @Column(name = "name")
    String name;

public Employee(String id, String name) {
        this.id = id;
        this.name = name;
    }
    public Employee() {}
}
```

persistence.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<persistence xmlns="http://xmlns.jcp.org/xml/ns/persistence"</pre>
version="2.1">
   <persistence-unit name="JPA Example">
      <class>jpa.Example.Employee</class>
      properties>
         property name="javax.persistence.jdbc.driver"
value="org.mariadb.jdbc.Driver" />
         property name="javax.persistence.jdbc.url"
value="jdbc:mysql://localhost:3306/mydatabase" />
         cproperty name="javax.persistence.jdbc.user" value="root" />
         cproperty name="javax.persistence.jdbc.password" value="password"
         <!--create the database schema automatically -->
         property name="eclipselink.ddl-generation" value="create-tables"
        cproperty name="eclipselink.ddl-generation.output-mode"
value="database" />
      </properties>
   </persistence-unit>
</persistence>
```

CANDIDATE ANSWER Options: (Expected answer indicated with a tick) 1:Willians igava.sql.SQLIntegrityConstraintViolationException: Duplicate entry '1' for key 'PRIMARY' 1:Juana 1:Juana 1:Maria 1:Willians No Comments

QUESTION 18



Score 0

Output of the following code snippet > Multiple Choice JDBC

QUESTION DESCRIPTION

What is the most likely output of the following code snippet?

```
public class Driver {
    public static void main(String[] args) throws Exception {
        /* You can ignore this block and assuming the connection was
successful*/
        Class.forName("org.mariadb.jdbc.Driver");
        Connection conn = DriverManager.getConnection(
            "jdbc:mysql://localhost:3306/",
            "root",
            "password");
        Statement st = conn.createStatement();
        ResultSet rs = st.executeQuery("show databases");
        //while (rs.next() == true) {
        System.out.println(rs.getString(0));
        //}
    }
}
```

CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)

- java.sql.SQLDataException: Current position is before the first row
 - java.sql.SQLDataException: No such column: 0
 - true
 - false

QUESTION 19



Score 0

@BeforeAll (JUnit 5) or @BeforeClass (JUnit 4) > Multiple Choice

QUESTION DESCRIPTION

What is the most likely output/result of the following JUnit tests? (please assume that all necessary imports are correct)

```
class MyClass {
   public int add(int a, int b) {
      return a + b;
}
```

```
public class MyTests {
   private final MyClass myClass = new MyClass();
   //@BeforeAll is interchangeable with JUnit 4's @BeforeClass
   @BeforeAll
    public void beforeAll() {
        System.out.println("beforeAll/beforeClass Finished");
    @Test
    public void additionTest() {
        assertEquals(2, myClass.add(1, 1));
        System.out.println("additionTest Finished");
```

CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)

- org.junit.platform.commons.JUnitException: @BeforeAll method 'public void example.MyTests.beforeAll()' must be static
 - beforeAll/beforeClass Finished additionTest Finished
 - additionTest Finished
 - beforeAll/beforeClass Finished

QUESTION 20



Score 10

assertEquals() > Multiple Choice

QUESTION DESCRIPTION

What is the most likely output/result of the following JUnit test? (please assume that all necessary imports are correct)

```
class MyClass {
   public int add(int a, int b) {
     return a + b;
   }
}
```

```
public class CalculatorTests {
    private final MyClass calculator = new MyClass();

@Test
    void additionTest() {
        System.out.println("Test started");
        assertEquals(57, calculator.add(1, 1));
        System.out.println("Test Finished");
    }
}
```

CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)

- Test started Test Finished
- Test started But the test will FAIL. (With an AssertionFailedError in the
 - Failure Trace)
 - This code would not compile

No Comments

PDF generated at: 1 Oct 2020 14:32:27 UTC