



1Z0-816^{Q&As}

Java SE 11 Programmer II

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QUESTION 1

Given the code fragment:

```
var pool = Executors.newFixedThreadPool(5);
```

```
Future outcome = pool.submit(() -> 1);
```

Which type of lambda expression is passed into submit()?

- A. java.lang Runnable
- B. java.util.function.Predicate
- C. java.util.function.Function
- D. java.util.concurrent.Callable

Correct Answer: D

Reference: <https://www.codota.com/code/java/methods/java.util.concurrent.Executors/newFixedThreadPool>

QUESTION 2

Consider this method declaration:

```
void setSessionUser(Connection conn, String user) throws SQLException {  
    Statement stmt = conn.createStatement();  
    String sql = <EXPRESSION>;  
    stmt.execute();  
}
```

- A) "SET SESSION AUTHORIZATION " + user
- B) "SET SESSION AUTHORIZATION " + stmt.enquoteIdentifier(user)

Is A or B the correct replacement for and why?

- A. A, because it sends exactly the value of user provided by the calling code.
- B. B, because enquoting values provided by the calling code prevents SQL injection.
- C. A and B are functionally equivalent.
- D. A, because it is unnecessary to enclose identifiers in quotes.
- E. B, because all values provided by the calling code should be enquoted.

Correct Answer: A

Reference:



[https://www.google.com/url?](https://www.google.com/url?sa=t&drct=j&dq=andescr=sandsource=webandcd=4&ved=2ahUKEwj7ycO80fLoAhVHPcAKHcoLC9cQFjADegQIAxAB&url=ftp%3A%2F%2Fftp.software.ibm.com%2Fps%2Fproducts%2Fdb2%2Finfo%2Fvr9%2Fpdf%2Fletter%2Fen_US%2Fdb2s2e90.pdf&usg=AOvVaw2VqpeEh5HpbeXfa0OB5Lec)

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QUESTION 3

Given:

```
public interface TestInterface {
    default void samplingProbeProcedure() {
        probeProcedure();
        System.out.println("Collect Sample");
        System.out.println("Leave Asteroid");
        System.out.println("Dock with Main Craft");
    }
    default void explosionProbeProcedure() {
        probeProcedure();
        System.out.println("Explode")
    }
}
```

Examine these requirements:

Eliminate code duplication.

Keep constant the number of methods other classes may implement from this interface.

Which method can be added to meet these requirements?



- A.

```
private default void probeProcedure() {
    System.out.println("Launch Probe");
    System.out.println("Land on Asteroid");
}
```
- B.

```
static void probeProcedure() {
    System.out.println("Launch Probe");
    System.out.println("Land on Asteroid");
}
```
- C.

```
private void probeProcedure() {
    System.out.println("Launch Probe");
    System.out.println("Land on Asteroid");
}
```
- D.

```
default void probeProcedure() {
    System.out.println("Launch Probe");
    System.out.println("Land on Asteroid");
}
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: B

QUESTION 4

A company has an existing sales application using a Java 8 jar file containing packages:

```
com.company.customer; com.company.customer.orders; com.company.customer.info; com.company.sales;
com.company.sales.leads; com.company.sales.closed; com.company.orders; com.company.orders.pending;
com.company.orders.shipped.
```

To modularize this jar file into three modules, customer, sales, and orders, which module-info.java would be correct?



- A.

```
module com.company.customer {
    opens com.company.customer;
}
module com.company.sales{
    opens com.company.sales;
}
module com.company.orders {
    opens com.company.orders;
}
```
- B.

```
module com.company.customer {
    exports com.company.customer;
}
module com.company.sales{
    exports com.company.sales;
}
module com.company.orders{
    exports com.company.orders;
}
```
- C.

```
module com.company.customer {
    requires com.company.customer;
}
module com.company.sales{
    requires com.company.sales;
}
module com.company.orders {
    requires com.company.orders;
}
```
- D.

```
module com.company.customer {
    provides com.company.customer;
}
module com.company.sales{
    provides com.company.sales;
}
module com.company.orders {
    provides com.company.orders;
}
```

- A. Option A
B. Option B
C. Option C
D. Option D



Correct Answer: C

Reference: <https://developer.ibm.com/tutorials/java-modularity-3/>

QUESTION 5

The screenshot shows an IDE with two tabs: Employee.java and Main.java. The Main.java tab is active, displaying the following code:

```
1 import java.util.List;
2 Employee.java a.util.function.BinaryOperator;
3
4 public class Main {
5     public static void main (String... args) {
6         List<Employee> list = List.of(new Employee("John", 80000.0), new Employee("Scott", 90000.0));
7         double starts = 0.0;
8         double ratio = 1.0;
9         BinaryOperator<Double> bo = (a, b) -> a + b;
10        double totalSalary = list.stream().map(e -> e.getSalary() * ratio).reduce(starts, bo);
11        //line 1
12        System.out.println("Total salary = " + totalSalary);
13    }
14 }
15 }
16 }
```

The console output shows:

```
Console 1
Total salary = 170000.0
Completed with exit code: 0
```

Which interface in the java.util.function package will return a void return type?

- A. Supplier
- B. Predicate
- C. Function
- D. Consumer

Correct Answer: D

Reference: <https://www.geeksforgeeks.org/java-8-consumer-interface-in-java-with-examples/>

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