

1Z0-816^{Q&As}

Java SE 11 Programmer II

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QUESTION 1

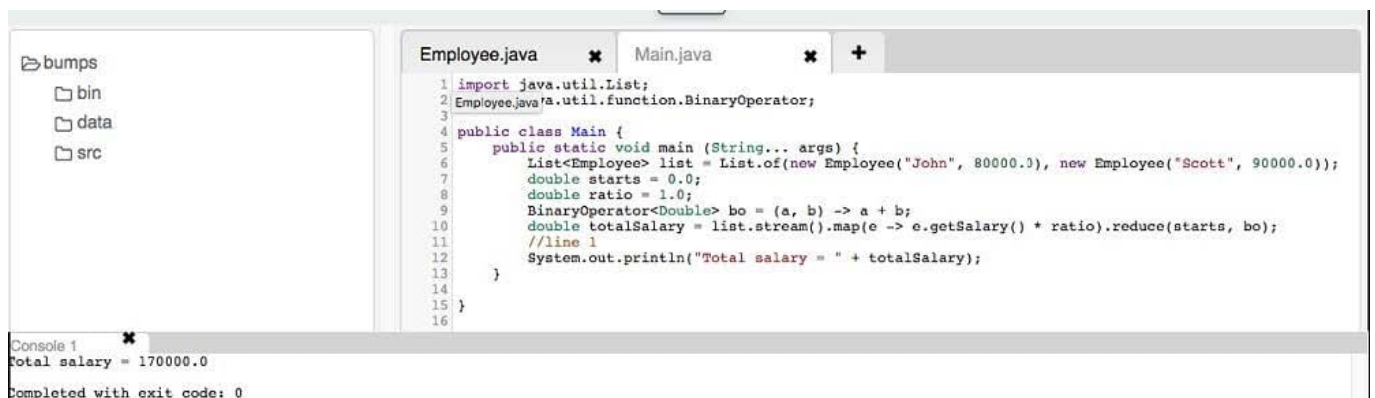
Given:

```
public class Hello {
    class Greeting {
        void sayHi() {
            System.out.println("Hello world");
        }
    }
    public static void main(String... args) {
        // Line 1
    }
}
```

What code must you insert on Line 1 to enable the code to print Hello world?

- A. Hello.Greeting myG = new Hello.Greeting() myG.sayHi();
- B. Hello myH = new Hello(); Hello.Greeting myG = myH.new Greeting(); myG.sayHi();
- C. Hello myH = new Hello(); Hello.Greeting myG = myH.new Hello.Greeting(); myG.sayHi();
- D. Hello myH = new Hello(); Greeting myG = new Greeting(); myG.sayHi ();

Correct Answer: B

QUESTION 2

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 import java.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/>

QUESTION 3

Which three guidelines are used to protect confidential information? (Choose three.)

A. Limit access to objects holding confidential information.

B. Clearly identify and label confidential information.

C. Manage confidential and other information uniformly.

D. Transparently handle information to improve diagnostics.

E. Treat user input as normal information.

F. Validate input before storing confidential information.

G. Encapsulate confidential information.

Correct Answer: ADF

Reference: <https://danielkvist.net/code/java-secure-coding-guidelines>

QUESTION 4

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=andesrc=s&source=web&cd=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 5

Which two statements correctly describe capabilities of interfaces and abstract classes? (Choose two.)

A. Interfaces cannot have protected methods but abstract classes can.

B. Both interfaces and abstract classes can have final methods.

C. Interfaces cannot have instance fields but abstract classes can.

D. Interfaces cannot have static methods but abstract classes can.

E. Interfaces cannot have methods with bodies but abstract classes can.

Correct Answer: AC

Reference: <https://www.guru99.com/interface-vs-abstract-class-java.html>

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