

contact details

haider : syedhyder@ineuron.ai
nitin : nitin@ineuron.ai

Given

```
1. class Dims {  
2.     public static void main(String[] args) {  
3.         int[][] a = {{1,2}, {3,4}};  
4.         int[] b = (int[]) a[1];  
5.         Object o1 = a;  
6.         int[][] a2 = (int[][]) o1;  
7.         System.out.println(b[1]);  
8.     }  
9. }
```

What is the result?

- A. 2
- B. 4
- C. An exception is thrown at runtime
- D. Compilation fails due to an error on line 4.
- E. Compilation fails due to an error on line 5.
- F. Compilation fails due to an error on line 6.

Answer: B

Given

```
1. class Zippy {  
2.     String[] x;  
3.     int[] a [] = {{1,2}, {1}};  
4.     Object c = new long[4];  
5.     Object[] d = x;  
6. }
```

What is the result?

- A. Compilation succeeds.
- B. Compilation fails due only to an error on line 3.
- C. Compilation fails due only to an error on line 4.
- D. Compilation fails due only to an error on line 5.
- E. Compilation fails due to errors on lines 3 and 5.
- F. Compilation fails due to errors on lines 3, 4, and 5.

Answer: A

Q>

```
public class Fizz {  
    int x = 5;  
    public static void main(String[] args) {  
        final Fizz f1 = new Fizz();  
        Fizz f2 = new Fizz();  
        Fizz f3 = FizzSwitch(f1,f2);  
        System.out.println((f1 == f3) + " " + (f1.x == f3.x));  
    }  
    static Fizz FizzSwitch(Fizz x, Fizz y) {  
        final Fizz z = x;  
        z.x = 6;  
        return z;  
    }  
}
```

What is the result?

- A. true true

- B. false true
- C. true false
- D. false false
- E. Compilation fails.
- F. An exception is thrown at runtime.

Answer: A

Q>

Given

```
42. public class ClassA {
43.     public int getValue() {
44.         int value=0;
45.         boolean setting = true;
46.         String title="Hello";
47.         if (value || (setting && title == "Hello")) { return 1; }
48.         if (value == 1 & title.equals("Hello")) { return 2; }
49.     }
50. }
```

And:

```
70. ClassA a = new ClassA();
71. a.getValue();
```

What is the result?

- A. 1
- B. 2
- C. Compilation fails.
- D. The code runs with no output.
- E. An exception is thrown at runtime.

Answer: C (operand is not of boolean type is line no 47)

Q>

Given

```
int a= 8,b=15,c=4;
System.out.println( 2 * ((a%5) * (4+(b-3)/(c+2))));
What is the output?
```

- A. 30
- B. 36
- C. 32
- D. 35

evaluation

```
2 * ((8%5) * (4+(15-3)/(4+2)))
2 * ( (3      * ( 4 + 12/6)))
2 * ( (3      * ( 4 + 2))
2 * ( ( 3      * 6))
2 * (18)
36
```

answer: B

Q>

What will be the result of compiling and executing DivModTest class?

```
public class DivModTest {
    public static void main(String[] args) {
        System.out.println( 23 / 2.0 ); // 11.5
        System.out.println( 23 % 2.0 );// 1.0
    }
}
```

}

- A. 11
1
- B. 11.5
1.0
- C. 11.0
1.0
- D. 11.5
0.0

Answer: B

Q>

What will be the result of compiling and executing Test class?

```
public class Test {  
    public static void main(String[] args) {  
        System.out.println("Hello" + 1 + 2 + 3 + 4);  
    }  
}
```

- A. Hello10
- B. Hello19
- C. Hello1234
- D. Hello10

Answer: C

Q>

What will be the result of compiling and executing Test class?

```
public class Test {  
    public static void main(String[] args) {  
        System.out.println(1 + 2 + 3 + 4 + "Hello");  
    }  
}
```

- A. 1234Hello
- B. 10Hello
- C. 64Hello
- D. 10 Hello

Answer: B(10Hello)

Q> What will be the result of compiling and executing Test class?

```
public class Test {  
    public static void main(String[] args) {  
        System.out.println("Output is: " + 10 != 5);  
    }  
}
```

- A. Output is : true
- B. Output is : false
- C. Compilation error
- D. Output is : 10 !=5

Answer: C(On String Objects only + operator is allowed other operators would result in CompileTimeError)

Q>

What will be the result of compiling and executing Test class?

```
public class Test {  
    public static void main(String[] args) {  
        System.out.println("Output is: " + (10 != 5));  
    }  
}
```

```
    }  
}
```

- A. Output is : true
- B. Output is : false
- C. Compilation error
- D. Output is : 10 !=5

Answer: A

Q>

What will be the result of compiling and executing the Test class?

```
public class Test {  
    public static void main(String[] args) {  
        int grade = 75;  
        if(grade > 60)  
            System.out.println("Congratulations");  
            System.out.println("You passed");  
        else  
            System.out.println("You failed");  
    }  
}
```

- A. Congratulations
- B. Congratulations
You passed
- C. You failed
- D. compilation error

Answer: D

Q>

What will be the result of compiling and executing the Test class?

```
public class Test {  
    public static void main(String[] args) {  
        int grade = 60;  
        if(grade = 60)  
            System.out.println("You passed...");  
        else  
            System.out.println("You failed...");  
    }  
}
```

- A. You passed...
- B. You failed...
- C. compilation error
- D. Produces not output

Answer: C

Q>

Predict the following output for the given code

```
public class TestApp{  
    public static void main(String... args){  
        String[] arr[] ={{"%", "****"}, {"!!!!", "####", "#####"}};  
        for(String str[] : arr){  
            for(String s:str){  
                System.out.println(s);  
                if(s.length()==4)  
                    break;  
            }  
        }  
    }  
}
```

```

        break;
    }
}

```

A. Compile Time Error
 B. StringIndexOutOfBoundsException
 C. %

 D. %

 #####
 E. ArrayIndexOutOfBoundsException
 E. None of the above

Answer: C

Q>
What will be the result of compiling and executing Test class?

```

public class Test {
    public static void main(String[] args) {
        int score = 60;
        switch (score) {
            default:
                System.out.println("Not a valid score");
            case score < 70:
                System.out.println("Failed");
                break;
            case score >= 70:
                System.out.println("Passed");
                break;
        }
    }
}

```

A. Compilation Error
 B. Failed
 C. Not a valid score
 Failed
 D. Passed

Answer: A

Q>
What will be the result of compiling and executing Test class?

```

public class Test {
    public static void main(String[] args) {
        String fruit = "mango";
        switch (fruit) {
            case "Apple":
                System.out.println("APPLE");
            case "Mango":
                System.out.println("MANGO");
            case "Banana":
                System.out.println("BANANA");
                break;
            default:
                System.out.println("ANY FRUIT WILL DO");
        }
    }
}

```

- ```

 }
}
A. MANGO
B. ANY FRUIT WILL DO
C. MANGO
 BANNANA
D. MANGO
 ANY FRUIT WILL DO
E. MANGO
 BANNANA
 ANY FRUIT WILL DO

```

Answer: B

What will be the result of compiling and executing Test class?

```

public class Test {
 public static void main(String[] args) {
 String fruit = "mango";
 switch (fruit) {
 default:
 System.out.println("ANY FRUIT WILL DO");
 case "Apple":
 System.out.println("APPLE");
 case "Mango":
 System.out.println("MANGO");
 case "Banana":
 System.out.println("BANANA");
 break;
 }
 }
}

```

- ```

}
A. ANY FRUIT WILL DO
B. MANGO
C. MANGO
  BANNANA
D. ANY FRUIT WILL DO
  APPLE
  MANGO
  BANNANA

```

Answer: D

