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

```
public class Test {
    public static void main(String[] args) {
        byte var = 100;
        switch(var) {
            case 100:
                System.out.println("var is 100");
                break;
            case 200:
                System.out.println("var is 200");
                break;
            default:
                System.out.println("In default");
        }
    }
}
```

A. var is 100
B. var is 200
C. In default
D. CompileTime error.

Answer: D

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

```
public class Test {
    public static void main(String[] args) {
        String fruit = new String(new char[] {'M', 'a', 'n', 'g', 'o'});
        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
     BANANA
D. ANY FRUIT WILL DO
     APPLE
     MANGO
    BANANA

Answer: C

Q>
Consider below code:

```
//Test.java
public class Test {
    public static void main(String [] args) {
       boolean flag = !true;//false
        System.out.println(!flag ? args[0] : args[1]);
    }
}
```
What will be the result of compiling and executing Test class using below commands?
```
javac Test.java
java Test AM PM
```

A. AM
B. PM
C. ExceptionInitalizerError while loading the .class file
D. CompilationError

```
args[0] = "AM"
args[1] = "PM"
      System.out.println(true? "AM":"PM");
```
Answer: A

What will be the result of compiling and executing Test class?
```
public class Test {
    public static void main(String [] args) {
         int a = 3;// a = 4
         System.out.println(a++ == 3 || --a == 3 && --a == 3);//true
      System.out.println(a);//4
    }
}
```
A. true
      3
B. false
      3
C. True
      3
D. False
      3
E. true
      4
F. false
      3
G. CompilationError

Answer: E

Q>
What will be the result of compiling and executing Test class?
```
public class Test {
    public static void main(String [] args) {
        int a = 3;
        m(++a, a++);
        System.out.println(a);
    }
    private static void m(int i, int j) {
        i++;
        j--;
    }
}
```

A. 4
B. 5
C. 6
D. 3

Answer: B

Q>
Consider below code of Test.java file:

```
public class Test {
    public static void main(String [] args) {
        boolean flag = false;//true, false
        System.out.println((flag = true) | (flag = false) || (flag = true));//
true |false => true || (flag=true)
        System.out.println(flag);//false
    }
}
```

What is the result of compiling and executing Test class?
A. true
   false
B. false
   true
C. true
   true
D. false
   false
E. CompilationError

Answer: A

Q>
Consider below code of Test.java file:

```
public class Test {
    public static void main(String [] args) {
        boolean status = true;
        System.out.println(status = false || status = true | status = false);
        System.out.println(status);
    }
}
```

What is the result of compiling and executing Test class?
A. true
   false
B. false
   true
C. true
   true
D. false
   false
E. CompilationError

Answer: E

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

```
public class Test {
    public static void main(String[] args) {
        String msg = "Hello";
        boolean [] flag = new boolean[1];
```

```
        if(flag[0]) {
            msg = "Welcome";
        }
        System.out.println(msg);
    }
}
```

A. Hello
B. Welcome
C. ArrayIndexOutOfBoundsException
D. NullPointerException
E. CompileTimeError

Answer: A

```
public class Test {
    public static void main(String [] args) {
        boolean flag1 = true;
        boolean flag2 = false;
        boolean flag3 = true;
        boolean flag4 = false;
        System.out.println(!flag1 == flag2 != flag3 == !flag4); //Line n1
        System.out.println(flag1 = flag2 != flag3 == !flag4); //Line n2
    }
}
```

What will be the result of compiling and executing Test class?
A. Line n1 cause compilation error
B. Line n2 causes compilatione error
C. true
   true
D. true
   false
E. false
   true
F. false
   false

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```
   !true == false != true == !false
   false== false  != true == !false
        true   != true == !false
            false      == true
                  false

 flag1 = false!= true == !false
 flag1 = true == true
 flag1 = true
     true
```

Answer: E

Q>

```
public class Test {
    public static void main(String[] args) {
        int score = 30; // Line n1
        char grade = 'F'; // Line n2
        if (50 <= score < 60) // Line n3
            grade = 'D';
```

```
        else if (60 <= score < 70) // Line n4
            grade = 'C';
        else if (70 <= score < 80) // Line n5
            grade = 'B';
        else if (score >= 80)
            grade = 'A';
        System.out.println(grade);
    }
}
```

A. Compilation error
B. A
C. B
D. C
D. F

System.out.println(10<20<30);//CE:nesting or relational operator is not possible

Answer: A

Q>
Consider below code of Test.java file:

```
public class Test {
    public static void main(String[] args) {
        int x = 10; //Line n1
        if (false)
            System.out.println(x); //Line n2
        System.out.println("HELLO"); //Line n3
    }
}
```

What is the result of compiling and executing Test class?

A. Compilation error at Line n1
B. Compilation error at Line n2
C. Compilation error at Line n3
D. HELLO
E. 10
   HELLO

Answer: D(unreachable won't be checked by compiler for if and else logic)