Preguntas tipo de examen

Pregunta 1

Given:

String cad1="This is text";

String cad2="""

    This is text""";

String cad3="""

    This is text

    """;

System.out.print(cad1.equals(cad2)+"-");

System.out.print(cad1.equals(cad3)+"-");

System.out.print(cad2.equals(cad3)+"-");

System.out.print(cad1.length()==cad2.length());

What is the result?

A.false-false-false-false

B.true-false-false-false

C.true-true-false-false

D.true-false-false-true

E.false-true-true-true

Pregunta 2

Given:

```java
public static void main(String[] args){

        Integer data=10;

        int n=2;

        switch(data/n){

                case 1,3->System.out.print("low ");

                case 4,5-> System.out.print("medium ");

                case 6,7,9-> System.out.print("high");

        }

}
```

What is the result?

A.medium

B.medium high

C.A runtime error is thrown.

D.Compilation error.

Given the following:

```
class A{
        public void testA(){System.out.print("Is A ");}
}
class B extends A{
        public void testB(){System.out.print("Is B ");}
}
class C extends B{
        public void testC(){System.out.print("Is C ");}
}
```

And the following:

```
A ob=new C();
if(ob instanceof B b){
        b.testB();    //line 1
}
if(ob instanceof C a){//line 2
        a.testC();
} else{
        ob.testA();
}
```

What is the result?

A.Is C

B.Is A

C.Is B Is C

D.It prints nothing

E.Compilation fails at line 1

F.Compilation fails at line 2

Pregunta 4

Given:

String cad="""

    a""";

System.out.println(switch(cad.indent(1).length()){

    case 1->"simple";

    case 2,3->"normal";

    case 4->"optimal";

});

What is the result?

A. simple

B. normal

C. optimal

D. Compilation error

Pregunta 5

Complete the following code (choose two):

```java
enum Direction {
    NORTH, SOUTH, WEST, EAST
}
public  class TestClass{
    public static String getColor(Direction c){
        INSERT CODE HERE
    }
    public static void main(String[] args) {
        System.out.println(getColor(Direction.NORTH));
    }
}
```

A.
```java
return switch(c){
    case NORTH, EAST -> "BLACK";
    break;
    case SOUTH, WEST -> "RED";
};
```

B.
```java
return switch(c){
    case NORTH, EAST ->"BLACK";
    case SOUTH, WEST -> "RED";
    default -> "YELLOW";
};
```

C.
```java
switch(c){
    case NORTH, EAST -> return "BLACK";
    case SOUTH, WEST -> return "RED";
};
```

D.
```java
return switch(c){
    case NORTH, EAST -> "BLACK";
};
```

E.
```java
return switch(c){
    case NORTH, EAST -> { yield "BLACK"; }
    case SOUTH, WEST -> { yield "RED"; }
};
```