

### **Pregunta 1**

Which of the following statements are true?

- A. A nested class may be declared static
- B. Local method class may be declared public.
- C. Anonymous inner class may be declared public.
- D. Anonymous inner class may extend an abstract class.

## Pregunta 2

Given:

```
public class Main {  
    class Student{ //1  
        String name;  
        Student(String name){ //2  
            this.name=name;  
        }  
    }  
    public static void main(String[] args) {  
        var student=new Student("Peter"); //3  
    }  
}
```

Which two independent changes will make the Main class compile? (Choose two.)

- A. Move the entire Student class declaration to a separate Java file, Student.java.
- B. Change line 2 to public Student(String classname).
- C. Change line 1 to public class Student {.
- D. Change line 3 to Student student = new Student("Biology");.
- E. Change line 1 to static class Student {.

### Pregunta 3

Given:

```
enum Color implements Serializable{
```

```
    R(1), G(2), B(3);
```

```
    int n;
```

```
    public Color(int n){
```

```
        this.n=n;
```

```
    }
```

```
}
```

What action ensures successful compilation?

- A. Replace public Color(int c) with private Color(int c)
- B. Replace int c; with private int c;
- C. Replace int c; with private final int c;
- D. Replace enum Color implements Serializable with public enum Color
- E. Replace enum Color with public enum Color

#### Pregunta 4

Given the following:

```
public class Test2 {  
    enum Posicion{  
        NORTE(2), SUR(1), ESTE(5), OESTE(3);  
  
        int s;  
  
        Posicion(int s){  
            this.s=s;  
        }  
    }  
  
    public static void main(String[] args) {  
        Posicion[] pos= {Posicion.NORTE,Posicion.ESTE,Posicion.SUR};  
  
        pos[1].s=3; //1  
  
        for(Posicion p:pos) {  
            System.out.print(p.name()+" ");  
        }  
    }  
}
```

Which is the result?

- A. it prints NORTE OESTE SUR
- B. it prints NORTE ESTE SUR
- C. it prints nothing
- D. compilation error in line 1

### Pregunta 5

Given the code fragment:

```
int m[]={1,2,3,4,5};  
for(---){  
    System.out.print(m[i]);  
}
```

Which option can replace --- to enable the code to print 135?

- A.int i = 0; i <= 4; i ++
- B.int i =0; i <5; i += 2
- C.int i = 1; i <= 5; i += 1
- D.int i = 1; i <5; i +=2

### Pregunta 6

Given the following:

```
public static void main(String[] args){  
    int a=5;  
    while(isPresent(a)){  
        System.out.println(a); //line 1  
        //line 2  
    }  
}  
  
public static boolean isPresent(int a){ //line 3  
    return a-->0?true:false;  
}
```

Which modification enables the code to print 54321?

- A. Replace line 1 with System.out.print(--a);
- B. At line 2, insert a --;
- C. Replace line 1 with --a; and, at line 2, insert system.out.print(a);
- D. Replace line 3 With return (a > 0) ?false: true;