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:

```java
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:

```java
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. ir 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;