

### Pregunta 1

Given the following:

```
1. public class Runner {  
2.     static int a=1;  
3.     public static void main (String []args) {  
4.         int b = 6;  
5.         while (a++) {  
6.             b--;  
7.         }  
8.         System.out.println("a=" + a + " b=" + b);  
9.     }
```

**What is the result?**

- A. The output is a = 6 b = 0
- B. The output is a = 7 b = -1
- C. The output is a = 6 b = -1
- D. The output is a = 7 b = 0
- E. Compilation will fail.

## Pregunta 2

Given the code fragment:

```
public static void main(String[] args){  
    int x=0;  
    int y=7;  
    for(x=0;x<y-1;x=x+2){  
        System.out.println(x+" ");  
    }  
}
```

**What is the result?**

A. 2 4

B. 0 2 4 6

C. 0 2 4

D. Compilation fails

### Pregunta 3

Given the code fragment:

```
public static void main(String[] args){  
    String[] cars={"A","B","C","D"};  
    for(int i=0;i<cars.length;i++){  
        System.out.print(cars[i]+" ");  
        if(cars[i].equals("C")){  
            continue;  
        }  
        System.out.println("End");  
        break;  
    }  
}
```

**What is the result?**

- A. A B C End
- B. A B C D End
- C. A End**
- D. Compilation fails

#### Pregunta 4

Given the code fragment:

```
public static void main(String[] args){  
    String[][] cars={{ "A", "B", "C"}, {"D", "E"}};  
    ex: for(int i=0; i<cars.length; i++){  
        for(int k=0; k<cars[i].length; k++){  
            System.out.print(cars[i][k]+" ");  
            if(cars[i][k].equals("B")){  
                break;  
            }  
            continue ex;  
        }  
    }  
}
```

**What is the result?**

A. A B C

**B. A D**

C. A B D E

D. Compilation fails.

### 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.print(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;