

### Pregunta 1

Given:

```
public static void main(String[] args){  
    List<Integer> even=List.of();  
    even.add(0, 10);  
    even.add(0, 20);  
    System.out.println(even);  
}
```

What is the output?

- ☒ A. The compilation fails.
- ☐ B. [10,20]
- ☐ C. [20,20]
- ☒ D. A runtime exception is thrown

## Pregunta 2

Select the correct sentences (choose 3):

☒ A. `Iterable<Integer> it=List.of(4,9,1);`

☒ B. `var data=new ArrayList<>();`

☒ C. `Collection<?> values=List.of(9,2,5);`

☐ D. `List<Object> objs=new ArrayList<Integer>();`

☐ E. `List<Integer> ints=new Integer[] {4,1,0};`

☐ F. `ArrayList<String> cads=List.of("year","now");`

### Pregunta 3

What will the following code print?

```
List s1 = new ArrayList( );
```

```
s1.add("a");
```

```
s1.add("b");
```

```
s1.add("c");
```

```
s1.add("a");
```

```
System.out.println(s1.remove("a")+" "+s1.remove("x"));
```

**A.** a 0

B. 0 1

C. 1 -1

**D.** true false

#### Pregunta 4

Given:

```
var data = new ArrayList<>();
```

```
data.add("Help");
```

```
data.add(30);
```

```
data.add("Main Name");
```

```
data.set(1, 25);
```

```
data.remove(2);
```

```
data.set(3, 1000L);
```

```
System.out.print(data);
```

What is the output?

A. [Main Name, 1000]

B. [Help, 30, Main Name]

☒ C. [Help, 25, null, 1000]

☐ D. An exception is thrown at runtime

### Pregunta 5

Given:

```
HashMap<Integer, String> personas=new HashMap<>(){Map.ofEntries(  
    Map.entry(100, "Peter"),  
    Map.entry(555, "Mary"),  
    Map.entry(222, "Anne"))};  
  
personas.putIfAbsent(666, "Arnold"); //1  
  
ArrayList<String> lista=new ArrayList<>{personas.values()};  
  
System.out.println(lista);
```

Which is the result?

- A. [Peter, Mary, Anne, Arnold]
- B. [Peter, Anne, Mary, Arnold]
- C.** It prints Peter, Mary, Anne and Arnold in any order
- D. Exception in line 1

### Pregunta 6

Given:

```
String[] p = {"1", "2", "3" };
```

Which of the following lines of code is/are valid?

- A. `List<?> list2 = new ArrayList<Integer>(Arrays.asList(p));`
- ☒ B. `List<Integer> list2 = new ArrayList<Integer>(Arrays.asList(p));`
- C. `List<Integer> list2 = new ArrayList<>(Arrays.asList(p));`
- ☒ D. `List<?> list2 = new ArrayList<>(Arrays.asList(p));`