

## Knowledge Test- Java SE 6

Full name:	
Date:	

- 1) After reviewing the following code, choose the correct answer.

```
1 package Clases;
2 public class Examples {
3     public static void main(String[] args) {
4         XXXXXXXX ("Java Exam");
5     }
6 }
```

Choose an option to replace the xxxxxxxxx and show in the screen `Java Exam`

- a) `System.Out.Println`
  - b) `system.out.println`
  - c) `System.println`
  - d) `System.out.println`
- 2) After reviewing the following code, choose the correct answer

```
1 public class Reverse {
2
3     public static void main(String[] args) {
4         String sentence = "El Cafe";
5         String reversed = reverse(sentence);
6         System.out.println("La palabra escrita sera la siguiente: " + reversed);
7     }
8
9     public static String reverse(String sentence) {
10        if (sentence.isEmpty())
11            return reverse(sentence.substring(1)) + sentence.charAt(0);
12        }
13    }
```

You can choose more than one option:

- a) The output will be *La palabra escrita sera la siguiente: El Cafe*
- b) The output will be *La palabra escrita sera la siguiente: efaC IE*
- c) The output will be *Execution error*
- d) The output will be *La palabra escrita sera la siguiente: IE efaC*

3) After reviewing the following code, choose the correct answer.

```
1  package Clases;
2
3  class Animal{
4      public Animal(){
5          this("Continua el Examen de JAVA!!!");
6          System.out.println("Animal");
7      }
8      private Animal(String palabra){
9          System.out.println(palabra);
10     }
11 }
12
13 class Gato extends Animal{
14     public Gato(){
15         super();
16         System.out.println("Gato");
17     }
18     public Gato(int num){
19         this();
20         System.out.println("Felino");
21         System.out.println(num);
22     }
23 }
24
25 public class Examples{
26     public static void main(String[] args){
27         new Gato(3);
28     }
29 }
```

Choose one option:

- a) Compilation error
- b) Continua el Examen de JAVA!!!  
Animal  
Felino

Gato  
3

c) Continúa el Examen de JAVA!!!  
Animal  
Gato  
Felino  
3

d) Animal  
Gato  
3  
Felino  
Continúa el Examen de JAVA!!!

4) After reviewing the following code, choose the correct answer.

```
1  package Clases;  
2  
3  public class Clase {  
4      int ;  
5  
6      public Clase() {  
7          x = 20;  
8      }  
9  
10     public static void main(String[] args) {  
11         Clase objeto= new Clase();  
12         System.out.println(objeto.x);  
13     }  
14 }
```

You can choose more than one option:

- a) The code compiles.
- b) The code does not compile.
- c) The output will be 20.
- d) The output will be 30.

5) After reviewing the following code, choose the correct answer.

```

1  package Clases;
2
3  public class Clase {
4      try {
5          int[] arreglonumeros = {1, 2, 3,6,7};
6          System.out.println(arreglonumeros[10]);
7      } catch (Exception e) {
8          System.out.println("Al parecer algo no esta bien.");
9      } XXXXX {
10         System.out.println("fin de la implementacion 'try catch'");
11     }
12 }

```

Choose one option to replace the xxxxxxxxx in the code to make it work:

- a) try.
- b) finally.
- c) ending.
- d) get.

6) After reviewing the following code, choose the correct answer.

```

1  package Clases;
2
3  public class Clase {
4      int    var=8888888;
5      int    var1 = 3.0;
6      float  var2 = -1;
7      float  var3 = 1.0;
8      double var5 = 3.03d;
9      double var6 = 0x0988122;
10     double var7 = 0x0898122;
11     double var8 = 0x0222456789;
12 }

```

You can choose more than one option:

- a) The code compiles.
  - b) The variables var, var1, var2, var7, var8 are wrongly assigned.
  - c) The variables var1, var5, var6, var8 are wrongly assigned.
  - d) The variables var1, var3, var8 are wrongly assigned.
- 7) After reviewing the following code, choose the correct answer.

```
1 package Clases;
2
3 public class Clase {
4     public static void main (String[] Args) {
5         char c = '\0';
6         char dos = 'Buenos dias';
7         System.out.println (c);
8         System.out.println (d);
9     }
10 }
11
```

Choose one option:

- a) There is no output when running the program.
- b) The output is *null* and *Buenos dias*
- c) Error when compiling the program.
- d) The output is *Buenos dias*

8) After reviewing the following code, choose the correct answer.

```
1 package Clases;
2
3 import java.util.List;
4
5 public class Clase {
6     public static void main (String[] Args) {
7         List <String> list = Arrays.asList ("gato", "otro_gato", "perro","otro_perro");
8         System.out.println (list);
9     }
10 }

```

Choose one option

- a) The output is:  
[gato, otro\_gato, perro, otro\_perro]
- b) The output is:  
[gato, perro, otro\_perro, otro\_gato]
- c) The output is:  
[gato, perro]

d) Error when compiling the program.

9) After reviewing the following code, choose the correct answer

```
1 package Clases;
2
3 public class Clase {
4     public static void suma3 (Integer i) {
5         int val = i.intValue();
6         val += 10;
7         i = new Integer (val);
8     }
9
10    public static void main (String args[]) {
11        Integer i = new Integer (0);
12        suma3 (i);
13        System.out.println (i.intValue ( ) );
14    }
15 }
```

What is the value printed by the program? Choose one option:

- a) 20
- b) Error when compiling the program.
- c) 10
- d) 0

10) What the reserved word **this** is used by java for:

- a) To reference an object in a class from another package
- b) To reference a current object.
- c) To reference a procedure
- d) To reference an object in an interface.

11) The java interface is a class where you can implement methods.

- a) True

**b)** False

**12)** The abstract classes can be instantiated.

**a)** True

**b)** False

**13)** Java identifiers can only start with **letters**, **\_** or **\$**.

**a)** True

**b)** False

**14)** To declare a pointer variable in Java we use the symbol **%** before the name of the pointer.  
For example: `int %pointer_variable;`

**a)** True

**b)** False