Examen Diagnostico de Java

Nombre: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Fecha: \_\_\_\_\_\_\_\_\_\_\_ Aciertos: \_\_\_\_\_\_\_\_

Resolver: preguntas de opción múltiple

Pregunta 1

1. int []a = {1,2,3,4,5,6};

2. int i = a.length - 1;

3.

4. while(i>=0){

5. System.out.print(a[i]);

6. i--;

7. }

What is the result?

A. 123456

B. An exception could be thrown at runtime.

C. 654321

D. nothing

E. 65432

F. 12345

Pregunta 2

1. class Ex6{

2. public static void main(String args[]){

3. int x=0, y=10;

4. try{

5. y /=x;

6. }

7. System.out.print("/ by 0");

8. catch(Exception e){

9. System.out.print("error");

10. }

11. } }

What is the result? FIX ANSWER E PROBLEM

A. 0

B. error

C. Compilation fails

D. An uncaught exception is thrown at runtime.

E. No output

Pregunta 3

- A and E are classes

- B and D are interfaces

- C is an abstract class

Which are true? (Choose 3)

A. class F implements B, C { }

B. class F implements B { }

C. class Fextends A, E { }

D. class F extends E { }

E. class F implements B, D { }

Pregunta 4

- A and E are classes

- B and D are interfaces

Which are true? (Choose 2)

A. interface F implements B, D { }

B. interface F implements D { }

C. interface F extends D { }

D. interface F extends E { }

E. interface F extends B, D { }

Pregunta 5

1. class Ex1{

2. public static void main(String[] args) {

3. int a[] = { 1, 2, 053, 4};

4. int b[][]={{1,2,4}, {2,2,1}, {0,43,2}};

5. System.out.print(a[3]==b[0][2] );

6. System.out.print(" " + (a[2]==b[2][1]));

7. }

8. }

Which is the result?

A. true false

B. false false

C. false true

D. true true

D. Compilation fails

Pregunta 6

1. class Ex1{

2. public static void main(String[] args) {

3. int a[][] = new int[3][];

4. a[1] = new int[]{1,2,3};

5. a[2] = new int[]{4,5};

6. System.out.print(a[1][1]);

7. }

8. }

Which is the output?

A. Compilation fails due to line 3.

B. Compilation fails due to line 4.

C. An exception will be thrown in runtime.

D. 2

E. 3

F. 5

Pregunta 7

Choose the three legal identifiers.

A. 1stName

B. \_4\_

C. @name

D. $

E. getSize

Pregunta 8

1. class Ex1{

2. int a=10;

3. public static void main(String[] args) {

4. new Ex1().print();

5. }

6. public void print(){

7. int a = 8;

8. System.out.print(a + " ");

9. }

10. }

What is the result?

A. 10

B. Compilation fails.

C. 18

D. Output is unpredicatable.

E. 8

Pregunta 9

1. class Ex1{

2. public static void main(String[] args) {

3. new Ex1().pass();

4. }

5.

6. public void pass(){

7. int a=10 , b=20;

8. print(a) ;

9. }

10.

11. public void print(int a){

12. int c = b/a;

13. System.out.print(c);

14. }

15. }

What is the result?

A. 2

B. Compilation fails due to an error on line 8.

C. Compilation fails due to an error on line 7.

D. 0

E. Compilation fails due to an error on line 12.

Pregunta 10

1. class Ex1{

2. static int x = 10;

3. public static void main(String[] args) {

4. for(int x=0;x<5;x++){

5. }

6. System.out.print(x);

7. }

8. }

What is the result?

A. 4

B. 5

C. Compilation fails.

D. 10

E. A runtime exception will be thrown.

Pregunta 11

1. class Person{

2. Person(String s,int i ){

3. ++pid;

4. name=s;

5. age=i;

6. }

7. static int pid;

8. int age;

9. String name;

10. }

11. class Test{

12. public static void main(String args[]){

13. Person p1 = new Person("John" , 22);

14. Test te = new Test();

15. Person p2 = te.change(p1);

16. **System.out.println(p2.pid+" "+p2.name+" "+p2.age);**

17. **System.out.println(p1.pid+" "+p1.name+" "+p1.age);**

18. }

19. private Person change(Object o){

20. Person p2 = (Person)o;

21. p2.age = 25;

22. return p2;

23. }

24. }

What is the result?

A. 1 John 25

1 John 25

B. 1 John 25

1 John 22

C. 1 John 22

1 John 22

D. ClassCastException is thrown at runtime.

E. Compilation fails.

Pregunta 12

1. class Ex1{

2. public static void main(String args[]){

3. int x = 10;

4. int y = new Ex1().change(x);

5. System.out.print(x+y);

6. }

7. int change(int x){

8. x=12;

9. return x;

10. }

11. }

What is the result?

A. 20

B. 22

C. Compilation fails.

D. 24

E. An exception is thrown at runtime.

Pregunta 13

1. class S{

2. public static void main(String [] args){

3. String s = "Java";

4. s.concat(" SE 6");

5. s.replace('6','7');

6. System.out.print(s);

7. }

8. }

What is the result?

A. Java SE 6

B. Java SE 7

C. Java SE

D. Java

E. Compilation fails.

Pregunta 14

Can main() be overloaded?

True

False

Pregunta 15

class Foo {

int x = 3;

public static void main(String[] args) {

System.out.println("x is " + x);

}

}

A Error de compilacion

B x is 3

C Error de ejecución

D x is null

Pregunta 16

interface definitions that define constants

public static final int x = 1;

A True

B False

Pregunta 17

class Course {

String courseName;

}

class EJavaGuru {

public static void main(String args[]) {

Course c = new Course();

c.courseName = "Java";

System.out.println(c.courseName);

}

}

Which of the following statements will be true if the variable courseName is defined as a private variable?

a The class EJavaGuru will print Java.

b The class EJavaGuru will print null.

c The class EJavaGuru won’t compile.

d The class EJavaGuru will throw an

exception at runtime.

Pregunta 18

package com.ejavaguru.courses;

class Course {

public String courseName;

}

what’s the output of the following code?

package com.ejavaguru;

import com.ejavaguru.courses.Course;

class EJavaGuru {

public static void main(String args[]) {

Course c = new Course();

c.courseName = "Java";

System.out.println(c.courseName);

}

}

a The class EJavaGuru will print Java.

b The class EJavaGuru will print null.

c The class EJavaGuru will not compile.

d The class EJavaGuru will throw an exception at runtime.

Pregunta 19

package com.ejavaguru.courses;

class Course {

public String courseName;

public void setCourseName(private String name) {

courseName = name;

}

}

a You can’t define a method argument as a private variable.

b A method argument should be defined with either public or default accessibility.

c For overridden methods, method arguments should be defined with protected accessibility.

d None of the above.

Pregunta 20

class EJavaGuru {

public static void main(String[] args) {

System.out.println(args[1]+":"+ args[2]+":"+ args[3]);

}

}

what is the output of EJavaGuru, if it is executed using the following command?

java EJavaGuru one two three four

a one:two:three

b EJavaGuru:one:two

c java:EJavaGuru:one

d two:three:four