CODE WAR 2k17

Qualifiers Round Language : JAVA language

Time: 15 min Marks: +2 for correct

Name: email: (for mcq) -1 for wrong

\*Tick the right answer for the objective questions. Write the code snippet only, wherever asked not the entire code.

Q1. package sampleproject; This code would ?

public class Main A. Give error

{ B. Print 2345

public static void main(String[] args) C. Print 234

{ D. Print 1 infinite times since

int i=1; the update statement is not

for(;i<=5;System.out.println(i)){ written inside for loop.

i++;

}

}

}

Q2. **public static void main(String[] args)**

This is the standard declaration of java main method. In what other way can this statement be written. No matter what the change but allowing error free execution essentially having the same meaning. Write the code snippet

Q3. String a="1.0000001788139342151495"; This particular code yields the result:

double d=Double.parseDouble(a); A. print 1.0000001\_\_\_\_1.0000002

float f=Float.parseFloat(a); B. print 1.0000001\_\_\_\_1.0000001

float d2f=(float) d; C. Generate error for mismatch parse

System.out.println(d2f+"\_\_\_\_"+f); D. print 1\_\_\_\_\_1

Q4. class Test{

private int a;

public void print()

{System.out.println(“this is test class”);}

}

public static void main()

{

Test a,b,c;

//////////////////////////////////////////// rest of the code /////////////////////////////////

}

What are a , b and c ?

A.References B. Objects with memory allocated C. Objects of Test D. Standard Java pointers

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Q5. class Test

{ static int a

static

{ a = 4;

System.out.println ("inside static block\n"); A. inside static block

System.out.println ("a = " + a); a=4

} inside constructor

Test() a=11

{ System.out.println ("\ninside constructor\n"); B. Compiler Error

a = 10; C. Runtime error.

} D. inside static block public static void func() a=4

{ a = a + 1; inside constructor

System.out.println ("a = " + a); a=5

}

public static void main(String[] args)

{ Test obj = new Test();

obj.func();

}

}

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Q6. What is the error in this code?

byte b = 50;

b = b \* 50;

a) b can not contain value 100, limited by its range.

b) \* operator has converted b \* 50 is no more a byte data type.

c) b can not contain value 50.

d) No error in this code

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Q7. int num=239;

int reversenum =0; After the while loop what will be the state of the number

while( num != 0 ) Is the code correct for the operations purpose. If not fix it.

{

reversenum = reversenum \* 10;

reversenum = reversenum + num/10;

num = num%10;

}

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Q8. final class Complex {

private double re, im; What will this code result in ?

public Complex(double re, double im) {

A. Copy constructor called (10.0 + 15.0i)

B. Copy constructor called (0.0 + 0.0i)

C. (10.0 + 15.0i)

D 0.0+0.0i

this.re = re;

this.im = im;

}

Complex(Complex c)

{

System.out.println("Copy constructor called");

re = c.re;

im = c.im;

}

public String toString() {

return "(" + re + " + " + im + "i)";

}

}

class Main {

public static void main(String[] args) {

Complex c1 = new Complex(10, 15);

Complex c2 = new Complex(c1);

Complex c3 = c1;

System.out.println(c2);

}

}

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Q9. Output of following Java program?

class Main {

public static void main(String args[]) {

System.out.println(fun());

}

int fun() The result of this code is?

{ A. 20 B. Compilation error

return 20; C. 0 D. garbage value

}

}

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Q10. class Main {

public static void main(String args[]){ Output is ?

final int i; A. 20

i = 20; B. compilation error because i is reinitialized

System.out.println(i); C. 0 since original value was 0

} D. Garbage value.

}

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Q11. class Base {

public final void show() { The right option is?

System.out.println("Base::show() called"); A. Derived::show called

} B. Base::show() called

} C. Compilation error

class Derived extends Base { D.Exception

public void show() {

System.out.println("Derived::show() called");

}

}

public class Main {

public static void main(String[] args) {

Base b = new Derived();;

b.show();

}

}

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Q12. Which of the following is true about inheritance in Java? Tick or mark the right ones/one

1) Private methods are final.

2) Protected members are accessible within a package and

inherited classes outside the package.

3) Protected methods are final.

4) We cannot override private methods.

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Q13. Write a code snippet of inside the main function for reversing a given string

e.g given string be

String original=”hello world”; //code goes below

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Q14. Which collection class associates values witch keys, and orders the keys according to their natural order

1. java.util.HashSet
2. java.util.LinkedList
3. java.util.TreeMap
4. java.util.SortedSet

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Q15. final class Complex {

private final double re;

private final double im;

1. Complex number is(10.0+15.0i)

public Complex(double re, double im) { B. Compile Error

this.re = re; C. Complex number is SOME\_GARBAGE

this.im = im; D. Complex number is COMPLEX@8e2fb5

} here 8e2fb5 is hash code of c

public String toString() {

return "(" + re + " + " + im + "i)";

}

}

class Main {

public static void main(String args[])

{

Complex c = new Complex(10, 15);

System.out.println("Complex number is " + c);

}

}