1. class Main

{

     public static void main(String args[])

      {

         String s1 = new String("ravindrababuravula");

         String s2 = new String("ravindrababuravula");

         if (s1 == s2)

            System.out.println("Equal");

         Else

             System.out.println("Not equal");

     }

}

2. class Person

{

    private void who()

    {

        System.out.println("Inside private method Person(who)");

    }

    public static void whoAmI()

    {

        System.out.println("Inside static method, Person(whoAmI)");

    }

    public void whoAreYou()

    {

        who();

        System.out.println("Inside virtual method, Person(whoAreYou)");

    }

}

class Kid extends Person

{

    private void who()

    {

        System.out.println("Kid(who)");

    }

    public static void whoAmI()

    {

        System.out.println("Kid(whoAmI)");

    }

    public void whoAreYou()

    {

        who();

        System.out.println("Kid(whoAreYou)");

    }

}

public class Main

{

    public static void main(String args[])

    {

        Person p = new Kid();

        p.whoAmI();

        p.whoAreYou();

    }

}

3. Which of these keyword must be used to inherit a class?  
a) super  
b) this  
c) extent  
d) extends

4. What is the output of this program?

**class** A {

**public** **int** i;

**protected** **int** j;

}

**class** B **extends** A {

**int** j;

**void** display() {

**super**.j = 3;

System.out.println(i + " " + j);

}

}

**class** Output {

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

{

B obj = **new** B();

obj.i=1;

obj.j=2;

obj.display();

}

}

a)1 2

b)2 1

c)1 3

d) 3 1

5.Which is true? (Choose all that apply.)

A. "X extends Y" is correct if and only if X is a class and Y is an interface

B. "X extends Y" is correct if and only if X is an interface and Y is a class

C. "X extends Y" is correct if X and Y are either both classes or both interfaces

D. "X extends Y" is correct for all combinations of X and Y being classes and/or interfaces

6. Given:

enum Animals {

DOG("woof"), CAT("meow"), FISH("burble");

String sound; 4. Animals(String s) { sound = s; }

}

class TestEnum {

static Animals a;

public static void main(String [] args) {

System.out.println(a.DOG.sound + " " + a.FISH.sound);

}

}

What is the result?

A. woof burble

B. Multiple compilation errors

C. Compilation fails due to an error on line 2

D. Compilation fails due to an error on line 3

E. Compilation fails due to an error on line 4

F. Compilation fails due to an error on line 9

7.

class Main

{

public static void main(String args[])

{

try

{

System.out.println("First statement of try block");

int num=40/3;

System.out.println(num);

}

catch(Exception e)

{

System.out.println("Main caught Exception");

}

finally

{

System.out.println("finally block");

}

System.out.println("Main method");

}

}

8. What is the output of this program?

class Main{

public static void main(String args[])

{

String s1 = "Hello";

String s2 = new String(s1);

String s3 = "HELLO";

System.out.println(s1.equals(s2) + " " + s2.equals(s3));

}

}

a) true true

b) false false

c) true false

d) false true

9. What is the output of this program?

class output {

public static void main(String args[])

{

String chars[] = {"a", "b", "c", "a", "c"};

for (int i = 0; i < chars.length; ++i)

for (int j = i + 1; j < chars.length; ++j)

if(chars[i].compareTo(chars[j]) == 0)

System.out.print(chars[j]);

}

}

a) ab

b) bc

c) ca

d) ac

10. What is the output of this program?

class output {

public static void main(String args[])

{

String s1 = "Hello i love java";

String s2 = new String(s1);

System.out.println((s1 == s2) + " " + s1.equals(s2));

}

}

a) true true

b) false false

c) true false

d) false true

11. What is the output of this program?

class A {

int i;

public void display() {

System.out.println(i);

}

}

class B extends A {

int j;

public void display() {

System.out.println(j);

}

}

class Main {

public static void main(String args[])

{

B obj2 = new B();

obj2.i = 1;

obj2.j = 2;

A r;

r = obj2;

r.display();

}

}

a) 1

b) 2

c) 3

d) 4

12. 1. Given: public abstract interface Frobnicate { public void twiddle(String s); }

Which is a correct class? (Choose all that apply.)

1. public abstract class Frob implements Frobnicate {

public abstract void twiddle(String s) { }

}

B. public abstract class Frob implements Frobnicate { }

C. public class Frob extends Frobnicate {

public void twiddle(Integer i) { }

}

D. public class Frob implements Frobnicate {

public void twiddle(Integer i) { }

}

E. public class Frob implements Frobnicate {

public void twiddle(String i) { }

public void twiddle(Integer s) { }

}

13. what is the output?

class Base {

public void Print() {

System.out.println("Base");

}

}

class Derived extends Base {

public void Print() {

System.out.println("Derived");

}

}

class Main{

public static void DoPrint( Base o ) {

o.Print();

}

public static void main(String[] args) {

Base x = new Base();

Base y = new Derived();

Derived z = new Derived();

DoPrint(x);

DoPrint(y);

DoPrint(z);

}

}

14. Which cannot directly cause a thread to stop executing?

A. Calling the SetPriority() method on a Thread object.

B. Calling the wait() method on an object.

C. Calling notify() method on an object.

D. Calling read() method on an InputStream object

15. Which three are methods of the Object class?

1. notify();
2. notifyAll();
3. isInterrupted();
4. synchronized();
5. interrupt();
6. wait(long msecs);
7. sleep(long msecs);
8. yield();

A. 1, 2, 4

B. 2, 4, 5

C. 1, 2, 6

D. 2, 3, 4