

Java – Assignment - OOPS

Version: 1.0 | Date: 18/06/2019





OOPS, STATIC, FINAL, ABSTRACT, INTERFACE, CONSTRUCTOR

Question:1

```
public class A {  
    public static String line="This is my Program";  
  
    static  
    {  
        System.out.println("Welcome to Java");  
        System.exit(0);  
    }  
    public void display()  
    {  
        System.out.println("begin:");  
    }  
  
    public static void main(String[] args) {  
        System.out.println("Program starts here");  
        A object=new A();  
        object.display();  
        System.out.println(A.line);  
    }  
}
```

What is the output of the following program

1.
Welcome to Java
Program starts here
begin:
This is my Program
2.
Program starts here
Welcome to Java
begin:
This is my Program
3. program will not execute
4. None of these



Question:2

```
public class Static {  
    static int a;  
    public static void fun()  
    {  
        System.out.println(a);  
    }  
    public static class Static1{  
        int b=20;  
        public static void fun1()  
        {  
            System.out.println(b);  
        }  
    }  
}
```

Choose correct option

- 1.runtime error
- 2.b must be declared static.
- 3.nesting in static class is not possible.
- 4.no error.

**Question:3**

Choose the correct option for given piece of code

```
interface Animal{  
int a=10; //line 1  
public void eat();  
void travel();//line 2  
}  
class mammal implements Animal  
{  
public static void main(String[] args)  
{  
    System.out.println("mammals ");  
public void eat()  
{  
    System.out.println("eating");  
}  
void travel() //line 3  
{  
    System.out.println("travelling");  
  
}  
}
```

- 1.no error will be displayed
- 2.error will be displayed in line 2 and 3
- 3.error will be displayed in line 3 only
- 4.error will be displayed in line 1 only



Question:4

```
interface myinterface{  
    int a;  
    void method1();  
}
```

Identify the error

- 1.code is error free
- 2.method1 is not declared public
3. a is not initialized
- 4.abstract keyword is not used in the method1()



Question:5

```
public class com {  
  
    int eid;  
    String name;  
    int salary;  
  
    private com(int id,int sal)  
    {  
        System.out.println("id is" +id);  
        System.out.println("id is" +sal);  
    }  
    public static void main(String[] args) {  
  
        com c=new com();  
        com c1=new com(123,67);  
  
    }  
}
```

choose the error in the program

- 1)we can not make private constructor
- 2)we cannot make object of com using com c=new com();
- 3)we cannot make object of com using com c1=new com(123,67);
- 3) program successfully executes



Question:6

Find the output

```
class demo {  
    public int x;  
    private int y;  
    void cal(int a, int b) {  
        x = a + 1;  
        y = b;  
    }  
}  
class demonstration {  
    public static void main(String args[])  
    {  
        demo obj = new demo();  
        obj.cal(2, 3);  
        System.out.println(obj.x + " " + obj.y);  
    }  
}
```

- a) 3 3
- b) 2 3
- c) Runtime Error
- d) Compilation Error



Question:7

Find the output

```
package exp;

public class exp {
    public void display()
    {
        System.out.println("This is a display function");
    }

    public void main(String[] args) {

        System.out.println("this is an main function");

        exp e= new exp();
        e.main(args);
        e.display();
    }
}
```

- a) Compile time error
- b) No error
- c) output =This is an display function
this is an main function
- d) Run time error

**Question:8**

Find the output:

```
package exp;
```

```
public class exp1 {  
    public void display(){  
        System.out.println("this is an display function");  
    }  
    public class exp2 extends exp1  
    {  
        public void draw()  
        {  
            System.out.println("this is an draw function");  
        }  
    }  
    public static void main(String[] args) {  
        exp1 e=new exp1();  
        e.display();  
        e.draw();  
    }  
}
```

- a) Compilation Error
- b) this is an display function
- c) this is an draw function
- d) run time error



Question:9

```
public class For {  
    public static void main(String[] args) {  
        // TODO Auto-generated method stub  
        String s1[]=new String []{"we","Welcome","you"};  
        for(String y:s1)  
        {  
            System.out.println(y);  
        }  
    }  
}
```

- 1.compile time error
- 2.prints we Welcome you
- 3.prints we
- 4.none of these



Question:10

```
class For {  
    public static void main(String args[]) {  
        int a=fun();  
        System.out.println("a");  
    }  
    static int fun() {  
        static int x= 0;  
        return ++x;  
    }  
}
```

Determine the error

- 1.no error
- 2.x cannot be incremented
- 3.x cannot be static
- 4.fun() cannot return a value

