Oracle Certified Professional: Java SE 11 Developer

Total points 85/105

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✓   class test4   *   5/5
    {
        public static int Circum(double radius)
        {
            return 2 * 3.14* radius;
        }

        public static void main(String args[])
        {
            int cir = test4.Circum(2.5);
            System.out.print("Circumference of circle=" + cir);
        }
    }

○ 15.70

○ 12

◉ does not compile   ✓

○ exception

○ 0

class test4
    {

✓ @FunctionalInterface   *   5/5
interface Study
{
    abstract int learn(String subject, int duration);
}

public class Car
{
    public static void main(String[] courses)
    {
        Study s = (x,y) -> {return x==null ? y : y+1;};
        System.out.print(s.learn(courses[0],
        Integer.parseInt(courses[1])));
    }
}
What is the output, if executing using: java Car 01 Math

○ 1

○ 2

○ Compile time error

◉ Exception   ✓

✓   class test4{   *   5/5
         public static void main(String args[]) {
             int cir = Circle.Circumference(9.0);
             System.out.print("Circumference of circle=" + cir);
         }
     }
     class Circle {
         public static int Circumference(int radius) {
             return 2 * 3* radius;
         }
     }

⦿   does not compile   ✓

◯   54.0

◯   exception

◯   56.52

◯   0

✓ class Main   *   5/5

```java
class Main
{
    public static void main(String ar[])
    {
        String s="";
        if(Double.parseDouble("11.01f")>11)
        {
            s+=1;
        }
        if(1_7==Integer.valueOf("17"))
        {
            s+=2;
        }
        if(1024>1023L)
        {
            s+=3;
        }
        System.out.print(s);

    }
}
```

- ⦿ 123   ✓
- ○ 23
- ○ 3
- ○ Does not compile
- ○ Exception

✕ class xyz   *   0/5
    {
        xyz()
        {
            System.out.println("Hi...");
        }

        public static void main()
        {
            xyz obj1=new xyz();
            System.out.print("Welcome");
        }
    }
    Output:

○ Hi... Welcome

◉ Compile time error   ✕

○ Welcome

○ Runtime error

Correct answer

◉ Runtime error

✓   import java.util.function.*;   *   5/5
    class Main
    {
        static int i=25;
        static void myLambda()
        {
            //final int i=25;
            Supplier<Integer> foo= () -> i++;
            i++;
            System.out.println(foo.get());

        }

        public static void main(String aa[])
        {
            myLambda();
        }
    }

○   25

◉   26   ✓

○   27

○   Does not compile

✓   class xyz   *   5/5
    {
        int a;
        public static void main(String... args)
        {
            xyz obj1=new xyz();
            xyz obj2=new xyz();
            xyz obj3=new xyz();
            obj1.a=100;
            obj2.a=200;
            obj3.a=300;
            System.out.print(obj1.a+" "+obj2.a+" "+obj3.a);
        }
    }

◉   100 200 300   ✓

○   300 300 300

○   Compile time error

○   Runtime error

○   Nothing

✓

*   5/5

```java
import java.util.*;
import java.util.stream.*;
class Main
{
    public static void main(String a[])
    {
        var r=new Random();
        DoubleStream.generate(r::nextDouble).limit(100)
.forEach(System.out::print);   }
}
```

- ◉ Successfully Run   ✓

- ○ Does not compile

- ○ Exception

- ○ Nothing

```
import java.util.*;                                    *                          5/5
import java.util.function.*;
public class Main
{
public static void main(String ar[])
{
        var numbers=List.of(1,2,3,4,5,6,7,8,9,10);
        Function<Integer, Integer> f=n->n*2;
        StringBuilder sb=new StringBuilder();
        for(int a: numbers)
        {
            sb.append(f.apply(a));
            sb.append(" ");
        }
        System.out.println(sb.toString());
}
}
```

- ◉ 2 4 6 8 10 12 14 16 18 20   ✓

- ○ Does not compile

- ○ Exception

- ○ Nothing

✗   import java.util.*;   *   0/5

```java
class x
{
    private Collection collection;
    public void set(Collection collection)
    {
        this.collection=collection;
    }

}

class y extends x
{
    public void set(Map<String, String> map)
    {
    super.set(map.values());
    }
}
```

| ⦿ Does not compile | ✗ |

○ Exception

○ No Error

Correct answer

⦿ No Error

✓   public class Main   *   5/5
      {
          static class Student
          {
              String classname;
              Student(String classname)
              {
              this.classname=classname;
              }
          }
          public static void main(String ar[])
          {
              var stu=new Student("Biology");
              System.out.print(Student.classname);
          }
      }
      Output:

```
```

◉ Does not compile   ✓

○ Biology

○ Nothing

○ Exception

✓   class Hello   *   5/5
      {
           private void print()
           {
           System.out.println("Love");
           }

           public void hello()
           {
           print();
           }
      }

      public class Main extends Hello
      {
           private void print()
           {
           System.out.println("India");
           }

           public void mainn()
           {
           print();
           }

           public static void main(String... args)
           {
           Main m=new Main();
           m.hello();
           m.mainn();
           }
      }

◉ Love India   ✓

◯ India Love

◯ Love Love

◯ India India

○ Does not compile

✓ import java.util.function.*;   *   5/5
   class Main
   {
       static int i=25;
       static void myLambda()
       {
           //final int i=25;
           Supplier<Integer> foo= () -> i++;
           i++;
           System.out.println(foo.get());

       }

       public static void main(String aa[])
       {
           myLambda();
       }
   }

○ 25

● 26   ✓

○ 27

○ Does not compile

○ Does not compile

✕   class abc   *   0/5
    {
        String a;
        abc()
        {
            a="Namaste";
            System.out.println("Hello");
        }

        public String toString()
        {
            return a;
        }
    }

    class xyz extends abc
    {
        xyz()
        {
            System.out.println("Hi...");
        }

        public static void main(String ar[])
        {
            xyz x1=new xyz();
            System.out.print(x1);
        }
    }
    Output:

○   Hello Hi... Namaste

○   Hi... Namaste

◉   Hi...   ✕

○   Namaste Hi...

○   Namaste Hello Hi...

Correct answer

◉ Hello Hi... Namaste

✓ class xyz   *   5/5
   {
        static int a;
        public static void main(String... args)
        {
            xyz obj1=new xyz();
            xyz obj2=new xyz();
            xyz obj3=new xyz();
            obj1.a=10;
            obj2.a=20;
            obj3.a=30;
            System.out.print(obj1.a+" "+obj2.a+" "+obj3.a);
        }
   }

○ 10 20 30

◉ 30 30 30   ✓

○ Compile time error

○ Runtime error

○ Nothing

```
import java.io.*;                                                    *5/5
public class Main
{
    public static void checkConfiguration(String filename)
    {
        File file=new File(filename);
        if(!file.exists())
        {
            throw new Error("Fatal Error: Configuration File,|"+filename+",
is missing.");
        }
    }
    public static void main(String ar[])
    {
    checkConfiguration("App.config");
    System.out.println("Configuration is Ok");
    }
}
Output:
```

○ Configuration is Ok

○ Does not Compile

◉ Exception in thread "main" java.lang.Error:Fatal Error: Configuration File,   ✓
   App.config, is missing.

○ Nothing

✓   class xyz   *   5/5
      {
          int a=10;
          public static void main(String args...)
          {
              xyz obj1=new xyz();
              System.out.print("Welcome");
          }
      }
      Output:

⊙   Compile time error   ✓

○   Welcome

○   Runtime error

○   Nothing

✓   class Person   *   5/5

```java
class Person
{
    private String name;
    public Person(String name)
    {
        this.name=name;
    }
    public String toString()
    {
    return name;
    }
}

class Main
{
    public static Person checkPerson(Person p)
    {
        if(p==null)
        {
            p=new Person("Joe");
        }
        else
        {
            p=null;
        }
        return p;
    }

    public static void main(String ar[])
    {
        Person p=null;
        checkPerson(p);
        System.out.println(p);
        p=new Person("Mary");
        checkPerson(p);
        System.out.println(p);
    }

}
Output:
```

🔘 null Mary   ✓

⭕ Joe null

⭕ Joe Mary

⭕ null null

⭕ Does not compile

🔘 null Mary   ✓

⭕ Joe null

✓   class SomeClass   *   5/5
{
    public void methodA()
    {
    System.out.println("Hello");
    }
}

class AnotherClass extends SomeClass
{
    public void methodAA()
    {
    System.out.println("Hi");
    }
}
class Main
{
    public static void main(String ar[])
    {
    AnotherClass ac=new AnotherClass();
    ac.methodA();

    SomeClass sc =new AnotherClass();
    sc.methodA();

    }
}

◉ Hello Hello   ✓

○ Hello Hi

○ Hi Hi

○ Compilation Error

✗   class hello   *   0/5
     {
         protected hello()
         {
             this(2);
             System.out.print("1");
         }

         protected hello(int a)
         {
             System.out.print(a);
         }
     }

     class Main extends hello
     {
         Main()
         {
             this(4);
             System.out.print("3");
         }

         Main(int a)
         {
             System.out.print(a);
         }

         public static void main(String a[])
         {
             new Main();
         }
     }

     ○ 214

     ○ 2143

     ◉ 43   ✗

     ○ Does not compile

     Correct answer

2143

✓   class Main   *   5/5
     {
          public static void main(String ar[])
          {
               int i=1;
               for(String s: ar)
               System.out.println((i++) + ") " + s);
          }

     }
     Execute as- java Main one two three

○ 1)One 2)Two 3)Three   ✓

○ 2)One 3)Two 4)Three

○ Does not compile

○ Exception

Google Forms