

Total points 43/70 ?

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0 of 0 points

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Time: 75 minutes

43 of 70 points



What is the output for the below code ? *

3/3

```
public class C { }
public class D extends C{
public class A {
    public C getOBJ(){
        System.out.println("class A - return C");
        return new C();
    }
}
public class B extends A{
    public D getOBJ(){
        System.out.println("class B - return D");
        return new D();
    }
}
public class Test {
    public static void main(String[] args) {
        A a = new B();
        a.getOBJ();
    }
}
```

- ☐ A) Compiler error
- ☐ B) class A - return C
- ☒ C) class B - return D
- ☐ D) Runtime Exception

Feedback

Both of the above options are correct.



Which of the following is the correct lambda expression which add two numbers and return their sum?

*2/2

- ☐ A - (int a, int b) -> { return a + b;;};
- ☐ B - (a, b) -> {return a + b;;};
- ☒ C - Both of the above.
- ☐ D - None of the above.

What is the output? *

0/2

```
class Parent {  
    Integer get() {  
        return 1;  
    }  
}  
  
class Child extends Parent {  
    Double get() {  
        return 2.0;  
    }  
}  
  
public class Test {  
    public static void main(String[] args) {  
        System.out.println(new Child().get());  
    }  
}
```

- ☒ (A) 2.0
- ☐ (B) Compilation Fails
- ☐ (C) ClassCastException
- ☐ (D) none



Which Option is true? *

2/2

- ☒ a) Throwable is an interface
- ☐ b) Throwable is an abstract class
- ☐ c) Throwable is a class
- ☐ d) Throwable is an enum

Which of the following are valid lambda expressions? *

2/2

- ☐ String a, String b -> System.out.print(a+ b);
- ☐ () -> return;
- ☒ (int i) -> i;
- ☐ (int i) -> i++; return i;



What is the output accordingly the line depicted by comments? *

0/2

```
class Test{  
    int i;  
    public static void main (String[] args) {  
        int i; // Line 1  
        private int a = 1; // Line 2  
        protected int b = 1; // Line 3  
        public int c = 1; // Line 4  
        System.out.println(a+b+c); // Line 5  
    }  
}
```

- ☒ (A) prints 3
- ☐ (B) compiletime error at lines 2,3,4
- ☐ (C) compiletime error at lines 2,3,4,5
- ☐ (D) compiletime error at lines 1,2,3,4,5

Which of these method of Thread class is used to Suspend a thread for a period of time?

*1/1

- ☐ A. stop()
- ☒ B. sleep()
- ☐ C. terminate()
- ☐ D. suspend()



What is the output of below code? *

3/3

```
public class A {  
    public A(){  
        System.out.println("A");  
    }  
}  
  
public class B extends A{  
    public B(){  
        System.out.println("B");  
    }  
}  
  
public class C extends B{  
    public C(){  
        System.out.println("C");  
    }  
}  
  
public class Test{  
    public static void main (String[] args){  
        C c = new C();  
    }  
}
```

- ☒ A B C
- ☐ C B A
- ☐ C
- ☐ Compilation fails



What is the result of below program? *

2/2

```
public class Man {  
    Man() { System.out.print("Man "); }  
}  
public class Father extends Man {  
    Father(String type) { System.out.print(type); }  
}  
public class Son extends Father{  
    Son() {  
        super("Father ");  
        new Father("Son ");  
    }  
    public static void main(String[] args){  
        new Son();  
    }  
}
```

- ☐ A. Compilation fails.
- ☒ B. Man Father Man Son
- ☐ C. Man Father Man
- ☐ D. Man Father Son

A private member of a class is visible to – *

1/1

- ☐ every where
- ☐ in sub class
- ☐ members to same package
- ☒ only members of same class.



What is the output for the below code ? *

0/3

What is the output for the below code ?

```
public class Tech {  
    public void tech() {  
        System.out.println("Tech");  
    }  
}  
public class Atech {  
    Tech a = new Tech() {  
        public void tech() {  
            System.out.println("anonymous tech");  
        }  
    };  
  
    public void dothis() {  
        a.tech();  
    }  
  
    public static void main(String... args){  
        Atech atech = new Atech();  
        atech.dothis();  
    }  
}
```

- ☐ A)anonymous tech
- ☐ B)Compile Error
- ☐ C)Tech
- ☒ D)anonymous tech Tech



Which one is true for given scenario? *

2/2

Given:

```
public class Test implements Runnable {  
    public void run() {  
        System.out.println("run.");  
        throw new RuntimeException("Problem");  
    }  
    public static void main(String[] args) {  
        Thread t = new Thread(new Test());  
        t.start();  
        System.out.println("End of method.");  
    }  
}
```

- ☐ A. End of method. java.lang.RuntimeException: Problem run.
- ☒ B. End of method. run. java.lang.RuntimeException: Problem
- ☐ C. java.lang.RuntimeException: Problem
- ☐ D. End of method. java.lang.RuntimeException: Problem



What is the output for the below code snippet ? *

1/1

```
public class Test {  
    public static void main(String[] args) {  
        Integer i = null;  
        int j = i;  
        System.out.println(j);  
    }  
}
```

- ☐ A) 0
- ☐ B) Compile with error
- ☐ C) null
- ☒ D) NullPointerException



The current directory does NOT contain a directory named "dir" Which one is true? *2/2

Given:

```
1. public class FileTest{
2.     public static void main(String[] args){
3.         File dir = new File("dir");
4.         dir.mkdir();
5.         File f1 = new File(dir, "f1.txt");
6.         try {
7.             f1.createNewFile();
8.         } catch (IOException e) { ; }
9.     }
10. }
```

- ☐ A. Line 3 creates a directory named "dir" in the file and a file f1.txt
- ☐ B. Line 3 creates a directory named "dir" in the file system.
- ☒ C. Line 4 creates a directory named "dir" in the file system.
- ☐ D. Line 7 creates a directory named "dir" in the file system.



Given the code. What is the result? *

2/2

```
public static void main(String args[]) {  
    String str = null;  
    if (str.length() == 0) {  
        System.out.print("1");  
    } else if (str == null) {  
        System.out.print("2");  
    } else {  
        System.out.print("3");  
    }  
}
```

- ☐ A) Compilation fails.
- ☐ B) "1" is printed.
- ☐ C) "2" is printed.
- ☐ D) "3" is printed.
- ☒ E) An exception is thrown at runtime.

Which of the following option is FALSE about Functional Interface? *

2/2

- ☐ Runnable, Comparable are some of the examples of functional interfaces
- ☐ A functional interface is an interface that contains only one abstract method.
- ☐ Functional Interface is additionally recognized as Single Abstract Method Interfaces
- ☒ It can not include any default and static methods.



Can constructor return value? *

1/1

- ☐ Yes
- ☒ No
- ☐ Depends on implementation
- ☐ If super class constructor is called in sub-class.



5. What will be the result? *

0/2

```
public class Shape {  
    String name = "No name";  
    public Shape(String nm) { name = nm; }  
}  
  
public class Circle extends Shape {  
    String cid = "0000";  
    public Circle(String id) {  
        cid = id;  
    }  
}  
  
public class CircleTest{  
    public static void main(String[] args){  
        Circle e = new Circle("test");  
        System.out.println(e.cid);  
    }  
}
```

- ☐ A. Compilation of class Circle will fail because of an error in line 3.
- ☒ B. test
- ☐ C. Compilation of class CircleTest will fail because of an error in line 3.
- ☐ D. Compilation will succeed for all classes and print "0000".



Which code, inserted at line 7, will cause a java.lang.ClassCastException? * 2/2

Given:

```
1.interface A {}  
2.interface B extends A {}  
3.public class C implements B{}  
4.public class D extends C{  
5. public static void main(String[] args){  
6.   C c = new C();  
7.   //insert code here  
8. }  
9.}
```

- ☐ A. A a = (B)c;
- ☒ B. A a = (D)c;
- ☐ C. A a = c;
- ☐ D. B b = c;

When shutdown() method tries to destroy the ExecutorService * 0/1

- ☒ A. immediately
- ☐ B. after complete all tasks
- ☐ C) None of the above



What is result? *

0/2

Given:

```
public class StrBoo {  
    public static void main(String[] args) {  
        List lst = new ArrayList();  
        lst.add(new Integer(12).intValue());  
        lst.add(new String("foo"));  
        lst.add(new Boolean(true));  
        Arrays.sort(lst.toArray());  
        for (int i = 0; i < lst.size(); i++) {  
            System.out.print(lst.get(i).toString());  
        }  
    }  
}
```

- ☐ A. 12 foo true
- ☐ B. 12 foo TRUE
- ☒ C. Compilation fails.
- ☐ D. throws java.lang.ClassCastException

Which will contain the body of the thread? *

1/1

- ☐ A. main();
- ☐ B. stop();
- ☐ C. start();
- ☒ D. run();



What will be the output of this Program? *

2/2

```
public class WithoutbookTest{  
    public static void aMethod() throws Exception {  
        try {  
            throw new Exception();  
        } finally {  
            System.out.print("finally ");  
        }  
    }  
  
    public static void main(String args[]) {  
        try {  
            aMethod();  
        } catch (Exception e) {  
            System.out.print("exception ");  
        }  
        System.out.print("finished");  
    }  
}
```

- ☐ (A) exception finished
- ☐ (B) finally
- ☐ (C) Compilation fails
- ☒ (D) finally exception finished



Which code, inserted at line 13, will allow this class to correctly serialize and deserialize? *0/2

```
1. public class KOKO implements Serializable{
2.   public int i;
3.   public KOKO(int j){
4.     this.i=j;
5.   };
6.   private void writeObject(ObjectOutputStream s)
7.     throws IOException{
8.     s.writeLong(i);
9.   }
10.
11.   private void readObject(ObjectInputStream s)
12.     throws IOException {
13.     //insert code here
14.   }
15.}
```

- ☐ A. i = s.readInt();
- ☒ B. i = s.readLong();
- ☐ C. i = s.readObject();
- ☐ D. i = s.defaultReadObject();



Given the code. What is the result? *

0/3

```
class Vehicle {  
    public void printSound() {  
        System.out.print("vehicle");  
    }  
}  
  
class Car extends Vehicle {  
    public void printSound() {  
        System.out.print("car");  
    }  
}  
  
class Bike extends Vehicle {  
    public void printSound() {  
        System.out.print("bike");  
    }  
}  
  
public class Test {  
    public static void main(String[] args) {  
        Vehicle v = new Car();  
        Bike b = (Bike) v;  
        v.printSound();  
        b.printSound();  
    }  
}
```

- ☒ A) Compilation fails.
- ☐ B) An exception is thrown at runtime.
- ☐ C) "vehiclecar" is printed.
- ☐ D) "vehiclebike" is printed.
- ☐ E) "carcar" is printed.
- ☐ F) "bikebike" is printed



What is the output? *

0/2

```
class Parent {  
    String message = "parent";  
    void say() {  
        System.out.println(message);  
    }  
}  
  
class Child extends Parent {  
    String message = "child";  
}  
  
public class Test {  
    public static void main(String[] args) {  
        new Child().say();  
    }  
}
```

- ☐ A) Parent
- ☒ B) Child
- ☐ C) Compilation Fails
- ☐ D) Runtime Exceptions



What will be the output of the following Java program? *

0/1

```
class exception_handling
{
    public static void main(String args[])
    {
        try
        {
            System.out.print("Hello" + " " + 1 / 0);
        }
        catch (ArithmeticException e)
        {
            System.out.print("World");
        }
    }
}
```

- ☐ a) Hello
- ☐ b)World
- ☐ c)HelloWorld
- ☒ d)Hello World



What is the output for the below code ? *

2/2

```
public class A {  
    public A(int i){  
        System.out.println(i);  
    }  
}  
1. public class B extends A{  
2.     public B(){  
3.         super(6);  
4.         this();  
5.     }  
6. }  
  
public class Test{  
    public static void main (String[] args){  
        B b = new B();  
    }  
}
```

- ☐ A. 6
- ☐ B. 0
- ☐ C. Compilation fails due to an error on lines 3
- ☒ D. Compilation fails due to an error on lines 4



What is the output for the below code? *

2/2

```
public class Outer {  
    private int a = 7;  
    class Inner {  
        public void displayValue() {  
            System.out.println("Value of a is " + a);  
        }  
    }  
}  
  
public class Test {  
    public static void main(String... args) throws Exception {  
        Outer mo = new Outer();  
        Outer.Inner inner = mo.new Inner();  
        inner.displayValue();  
    }  
}
```

- ☒ A) Value of a is 7
- ☐ B) Compile Error - not able to access private member.
- ☐ C) Runtime Exception
- ☐ D) Value of a is 8



Choose the correct option based on this program: *

3/3

```
public class StringCompare {  
    public static void main(String args[]) {  
        BiFunction < String, String, Boolean > compareString = (x, y) ->  
            x.equals(y);  
        System.out.println(compareString.apply("Java8", "Java8")); // #1  
    }  
}
```

- ☐ This program results in a compiler error in the line marked with #1
- ☒ This program prints: true
- ☐ This program prints: false
- ☐ This program prints: (x, y) -> x.equals(y)
- ☐ This program prints: ("Java8", "Java8") -> "Java8".equals("Java8")

How many String objects created from the above code ? *

0/2

Given:

```
public class StrObjTest{  
    public static void main(String[] args){  
        String s1="Welcome";  
        String s=new String("WelcomeNew");  
    }  
}
```

- ☐ A. 3
- ☒ B. 2
- ☐ C. 4
- ☐ D. 5



What is the result? *

0/2

```
public interface AInf {  
    String toString();  
}  
public class B {  
    public static void main(String[] args){  
        System.out.println(new AInf() {  
            public String toString() {  
                return "success"; }  
            });  
    }  
}
```

- ☒ A. Compilation of class B will fail because of an error in line 3.
- ☐ B. Compilation of class B will fail because of an error in line 4.
- ☐ C. success
- ☐ D. throws Exception

How can we make sure main() is the last thread to finish in Java Program? *

2/2

- ☐ A. main();
- ☐ B. stop();
- ☐ C. start();
- ☐ D. run();
- ☒ E. join();



What will be expected output? *

0/3

```
import java.util.concurrent.CompletableFuture;
import java.util.concurrent.ExecutionException;

public class _06HandlingErrors {

    public static void main(String[] args) throws ExecutionException, InterruptedException {
        String name = null;
        CompletableFuture<String> future1 = CompletableFuture.supplyAsync(() -> {
            if (name == null) {
                throw new RuntimeException("Computation error!");
            }
            return "Hello" + name;
        }).handle((s,t) -> s != null ? s : "Hello, Stranger!");
        System.out.println(future1.get());
    }
}
```

- ☐ A. Hello, Stranger!
- ☐ B. Hello BJIT
- ☐ C. Hello yourname
- ☒ D. Computation error!



Given the code. What is the result after the class TryMe execution? *

3/3

What is the result after the class TryMe execution?

```
class A {  
    public void doA() {  
        B b = new B();  
        b.dobB();  
        System.out.print("doA");  
    }  
}  
class B {  
    public void dobB() {  
        C c = new C();  
        c.doC();  
        System.out.print("doB");  
    }  
}  
class C {  
    public void doC() {  
        if (true)  
            throw new NullPointerException();  
        System.out.print("doC");  
    }  
}  
public class TryMe {  
  
    public static void main(String args[]) {  
        try {  
            A a = new A();  
            a.doA();  
        } catch (Exception ex) {  
            System.out.print("error");  
        }  
    }  
}
```

- ☐ A) "doCdoBdoA" is printed
- ☐ B) "doAdoBdoC" is printed
- ☐ C) "doBdoAerror" is printed
- ☒ D) "error" is printed



☐ E) nothing is printed

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