



AED2018Quiz6 13 - 15

Question - 1
Java: Find the Output

SCORE: 10 points

SCORE: 10 points

Java	General Programming		Exception Handling	Language-Specific	Core CS
Basic F	Programming				

Consider the following Java code snippet:

```
public int divide(int a, int b) {
   int c = -1;

   try {
      c = a / b;
   }
   catch (Exception e) {
      System.err.print("Exception ");
   }
   finally {
      System.err.println("Finally ");
   }

   return c;
}
```

What will our code *print* when we call *divide(4, 0)*?

- Exception Finally
- Finally Exception
- Exception
- Finally
- No output
- -1

## Question - 2

Java: Constructor, Exception Handling and Inheritance

Language Fundamentals Constructors Java Exception Handling Inheritance

Language-Specific Core CS

What should be the output of the following code?

```
class AirPlane {
   public AirPlane() throws IOException {
      System.out.print("AirPlane");
      throw new IOException();
```



```
class AirJet extends AirPlane {
   public AirJet() throws IOException {
    try {
        super();
     } catch (IOException e) {
        System.out.print("IOException is thrown
in AirJet");
    }
public class Tester {
    public static void main(String args[]) {
       try {
        new AirJet();
        } catch (IOException e) {
            System.out.print("IOException is
thrown in Tester");
        }
```

"AirPlanelOException is thrown in AirJet" will be printed.

"AirPlaneIOException is thrown in AirJetIOException is thrown in Tester" will be printed.

- "AirPlaneIOException is thrown in Tester" will be printed.
- Compile error.

Question - 3 SCORE: 10 points

Java Easy Inheritance Object Oriented Programming

What is the output for the below code?

```
1. public class A {
2.    int add(int i, int j) {
3.        return i+j;
4.    }
5. }
6. public class B extends A{
7.    public static void main(String argv[]) {
8.        short s = 9;
9.        System.out.println(add(s,6));
10.    }
11.}
```

Compile fail due to error on line no 2

Compile fail due to error on line no 9 due to the non-static method referenced from a static context.

- Compile fail due to error on line no 9 due to type mismatch.
  - 15

Question - 4 SCORE: 10 points Java Easy Iteration What is the output for the below Java code? public class Test { public static void main(String[] args){ int i = 010;int j = 07;System.out.println(i); System.out.println(j); 8 7 10 7 C.Compilation fails with an error at line 3 D.Compilation fails with an error at line 5 Question - 5 SCORE: 10 points Java: String Array Core CS Application Development Java Arrays Language-Specific Which of the following Java declaration of the String array is correct? String temp [] = new String {"j" "a" "z"}; String temp [] = { "j " " b" "c"}; String temp = {"a", "b", "c"}; String temp [] = {"a", "b", "c"}; Question - 6 SCORE: 10 points Application Development Given the following declarations String s1=new String("Hello")

```
String s1=new String("Hello")
String s2=new String("there");
String s3=new String();
```

• s3=s1 + s2;	
s3=s1 - s2;	
s3=s1 & s2	
s3=s1 && s2	
Question - 7	SCORE: 10 points
What is the correct order for system design?	
Problem Definition> Design> Specification> Implementation	
Specification> Problem Definition> Design> Implementation	
Problem Definition> Design> Implementation> Specification	
Problem Definition> Specification> Design> Implementation	
Question - 8	SCORE: 10 points
Question - 8  Fill in the blanks of the following code fragment so that the elements of the array are printed <i>in reverse order</i> , starting with the last element.	SCORE: 10 points
Fill in the blanks of the following code fragment so that the elements of	SCORE: 10 points
Fill in the blanks of the following code fragment so that the elements of the array are printed <i>in reverse order</i> , starting with the last element.  int[] num = { 2, 4, 6, 8, 10, 1, 3, 5, 7, 9	SCORE: 10 points
Fill in the blanks of the following code fragment so that the elements of the array are printed in reverse order, starting with the last element.  int[] num = { 2, 4, 6, 8, 10, 1, 3, 5, 7, 9 };  for (int;;;	SCORE: 10 points
Fill in the blanks of the following code fragment so that the elements of the array are printed in reverse order, starting with the last element.   int[] num = { 2, 4, 6, 8, 10, 1, 3, 5, 7, 9 };  for ( int	SCORE: 10 points
Fill in the blanks of the following code fragment so that the elements of the array are printed in reverse order, starting with the last element.   int[] num = { 2, 4, 6, 8, 10, 1, 3, 5, 7, 9 };  for ( int	SCORE: 10 points
Fill in the blanks of the following code fragment so that the elements of the array are printed in reverse order, starting with the last element.   int[] num = { 2, 4, 6, 8, 10, 1, 3, 5, 7, 9 };  for ( int	SCORE: 10 points

Choose the correct output according to following code:

Which of the following are legal operations?

```
import java.util.*;
public class Demo {
   public static void main(String []args) {
       ArrayList<String> list = new ArrayList<>
();
       list.add("2");
       list.add("0");
       list.add("1");
       list.add("8");
       List<String> newList = next(list);
       list.add("9");
        for (String i: newList) {
           System.out.print(i + " ");
   private static List<String> next(List<String>
list) {
       list.remove(list.size()-1);
       return list;
    }
}
```

- 20198
- 2019
- 20189
- "2018"

Question - 10

SCORE: 10 points

Which answer(s) match the given pattern? pattern: a\*b+

- aa
- ba
- bb