

AED-Fall2018-Quiz2 (11:00-...

20 minutes

Question - 1 SCORE: 10 points Java Easy Static Methods What is the result of compiling and running the following program? class test { public static void main(String args[]) { $int[] arr = {1,2,3,4};$ call_array(arr[0], arr); System.out.println(arr[0] + "," + arr[1]); static void call_array(int i, int arr[]) { arr[i] = 6;i = 5;} 1,2 5,2 1,6 5,6 Question - 2 SCORE: 10 points Java: String Array Application Development Core CS Language-Specific Java Arrays 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 - 3 SCORE: 10 points

What gets printed when the following program is compiled and run?

```
class test {
   public static void main(String args[]) {
       int i = 0;
```

```
while(i < 0);
       System.out.println(i);
}
```

- The program does not compile.
- The program compiles but does not run.
- The program compiles and runs but does not print anything.
- The program prints 0.
- The program prints 1.

Question - 4

SCORE: 10 points

Examine the following code:

```
ArrayList<String> list = new ArrayList<String>()
list.add( "A" );
list.add( "B" );
list.add( "C" );
list.add( "D" );
list.add( "E" );
```

Which of the following will change the list so that it looks like:

```
В
D
Ε
```

- list.remove(3);
- list.remove(2);
- list.add(2, null);
- list.set(list.indexOf("Carl"), "Doug");

Question - 5

SCORE: 10 points

What is the output of the following code fragment:

```
int[] num = { 2, 4, 6, 8, 10, 1, 3, 5, 7, 9
};
    for ( int index= 0 ; index < num.length ;
index = index++ )
      System.out.print( num[ index++ ] + " "
);
```

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Question - 6

SCORE: 10 points

What is the output of the following code:

```
int[] array = { 1, 4, 3, 6, 8, 2, 5};
  int what = array[0];
  for ( int index=0; index < array.length;</pre>
index++ )
    if ( array[ index ] < what )</pre>
      what = array[ index ];
  System.out.println( what );
```

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Question - 7

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 _____ ; _____ ;
     System.out.print( num[ index ] + " " );
```

- index = length; index < 0; index--
- index = 0; index < num.length; index--
- index = num.length-1; index >= 0; index--
- index = length-1; index > 0; index--

Question - 8

SCORE: 10 points

What will be the output of the following program?

```
public class Highlight {
public static void main(String []args) {
    int[] numbers =
{10, 20, 30, 40, 50, 60, 70, 80, 90};
    for (int x : numbers) {
       if (x == 30 && x == 60 && x == 90 && x
== 120) {
            continue;
        System.out.print(x + " ");
        continue;
    }
}
}
```

- 10 20 30 40 50 60 70 80 90 120
- 10 20 30 40 50 60 70 80 90
- 10 20 40 50 70 80
- Compilation Error
- Runtime Error

Question - 9

SCORE: 10 points

What will be the output of the following program?

```
public class Demo {
   int a;
    int b;
    public Demo(){
        System.out.println("Zero argument
constructor called");
    public Demo(int a, int b) {
        System.out.println("Two argument
constructor called");
        a = a;
        b = b;
    }
    public static void main(String []args) {
        Demo d = new Demo(10, 20);
        System.out.println("a = "+ d.a +", b = "+
d.b);
}
```

Zero argument constructor called Two argument constructor called a = 10, b = 20

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Two argument constructor called a = 0, b = 0		
Question - 10	SCORE: 10 points	
What is the correct order for system design?		
Problem Definition> Design> Implementation> Specification		
Specification> Problem Definition> Design> Implementation		

Problem Definition --> Specification --> Design --> Implementation

Problem Definition --> Design --> Specification --> Implementation