Question - 1
Question 1

SCORE: **10 points**

What's the correct order for system design?

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

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

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

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

Question - 2
Question 2

SCORE: **10 points**

ArrayLists are dynamic Arrays that can grow as needed

◉ True

○ False

Question - 3
Question 3

SCORE: **10 points**

What's the output of the java segement below?
public class StringObj{
public static void main(String []args){
String a = "abc";
String b = new String("abc");
String c = "abc";
System.out.println(a.equals(b));
System.out.println(a==b);
System.out.println(a==c);
}
}

○ true true true

○ true false false

○ false true true

○ true false true

Question - 4
Question 4

Which operator can be used to concatenate two or more String objects?

◉ +

○ &

○ ||

○ *

Question - 5
Question 5

Git: After creating a new file called index.class. Which of the following statement will stage this one file so we can commit it?

○ git push index.class

○ git add new

◉ git add index.class

○ git commit index.class

Question - 6
Question 6

The_____ can be accessed by the class of the same package, or by the sub-class of this class, or within the same class.

○ public

○ private

◉ protected

○ default

Question - 7
Question 7

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 replace the element "C" with "R"?

- ⚪ list[2]="R";

- ⦿ list.set(list.indexOf("C"),"R");

- ⚪ list.set("R", "C");

- ⚪ ist.add("R", list.indexOf("C"));

Question - 8
Question 8

Examine the following code:
```
ArrayList<String> list = new ArrayList<String>() ;
list.add( "Cupcake" );
list.add( "Gingerbread" );
list.add( "Lollipop" );
list.add(0, "Oreo " );
```
What element will be at index 2 of the list?

- ⚪ Cupcake

- ⚪ Lollipop

- ⦿ Gingerbread

- ⚪ Oreo

Question - 9
Coding : ArrayList

Give you an ArrayList with several Integers in it, return an ArrayList with
all even number from the ArrayList given.
example:
Input:[1,2,3,4,5,6]
Output :[2,4,6]