Quiz 11

1) Draw a diagram showing the array contents after execution of the following code fragment:

```java
int[] a = {1, 2, 3};
int[] b = {4, 5, 6, 7};

a = b;

a[0] = 0;
b[1] = 1;
```

2) Draw a diagram showing the array contents after execution of the following code fragment:

```java
int[] a = {1, 2, 3};
int[] b = {4, 5, 6, 7};

for (int i=0; i < a.length; i++)
    b[i] = a[i];

a[0] = 0;
b[1] = 1;
```

3) Write a method called `sumArray` that accepts an array of floating point values and returns the sum of the values stored in the array.
Quiz 11

1) Draw a diagram showing the array contents after execution of the following code fragment:

```java
int[] a = {1, 2, 3, 4};
int[] b = {5, 6, 7};

a = b;

a[0] = 0;
b[1] = 1;
```

2) Draw a diagram showing the array contents after execution of the following code fragment:

```java
int[] a = {1, 2, 3, 4};
int[] b = {5, 6, 7};

for (int i=0; i < b.length; i++)
    b[i] = a[i];

a[0] = 0;
b[1] = 1;
```

3) Write a method called `allOnesArray()` that accepts an integer n and returns an array of `double` of size n where all the values are 1.0. For example, if the method is invoked as `allOnesArray(4)`, it should return the array:

```
0 1 2 3
1.0 1.0 1.0 1.0
```
NOT used:::
Quiz 11

Name: ____________________________

1) Draw a diagram showing the array contents after execution of the following code fragment:

```java
int[] a = {4, 2, 7, 9};
int[] b = new int[10];

for (int i=0; i < a.length; i++)
    b[i] = a[i] * 10 + i;

for (int i=a.length; i < b.length; i++)
    b[i] = a[a.length-1] * 100;
```

2) Assume an array list has been declared and initialized with some values. Write a code fragment that creates another array called biglist of twice the size and then copies each element from list to listToo twice, by copying each element twice in consecutive locations. Example:

```
list | biglist
--- | ---
0   | 0   3 3
1   | 1   8 8
2   | 2   2 2
3   | 6   6 6
4   | 7   7 7
```
I) Draw a diagram showing the array contents after execution of the following code fragment:

```java
int[] a = {2, 5, 3};
int[] b = new int[8];
for (int i=0; i < a.length; i++)
    b[i] = a[i];
for (int i=a.length; i < b.length; i++)
    b[i] = 5;
```

2) Assume an array list has been declared and initialized with some values. Write a code fragment that creates another array called biglist of twice the size and then copies each element from list to listToo twice, by copying the entire list first forward and then backwards. Example:

```
list
0 3
1 8
2 2
3 6
4 7
biglist
0 3
1 8
2 2
3 6
4 7
5 7
6 6
7 2
8 8
9 3
```