

Q8

Due Oct 31, 2018 at 9:50am**Points** 5**Questions** 5**Available** Oct 31, 2018 at 8am - Oct 31, 2018 at 9:50am about 2 hours**Time Limit** 15 Minutes

This quiz was locked Oct 31, 2018 at 9:50am.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	12 minutes	4.5 out of 5

⚠ Correct answers are hidden.

Score for this quiz: **4.5** out of 5

Submitted Oct 31, 2018 at 8:14am

This attempt took 12 minutes.

Question 1

1 / 1 pts

Looking for a value in an array by looping through all the elements of an array in order is called _____ search.

Question 2

1 / 1 pts

How do you compare two arrays for equality?

Your Answer:

1. Determine if both arrays have the same length.
2. Compare each element in the first array with the corresponding element in the second array.

You use a flag variable and a for loop.

```
boolean isEqual = true; // flag variable
```

```
if (compare1.length != compare2.length)
```

```
    isEqual = false // size are different
```

```
else
```

```
for(int i = 0; i < compare1.length && isEqual; i++;)
```

```
{ if (Math.abs(compare1[i] - compare2[i])
```

```
> 0.001)
```

```
    isEqual = false; //elements are not equal
```

```
}
```

```
} return isEqual;
```

Question 3

0.5 / 1 pts

Consider a lottery number tracking where the possible numbers are 1 thru 72. The number 0 is not a possible winning number and thus would never be counted, would it be wise to create our array with one additional element (73 instead of 72) and just ignore element 0 altogether. Justify your answer.

Your Answer:

It would be wise to create our array with one additional element because the array automatically start at number 0. This would create 73 options instead of 72 but we can write in our loop to ignore 0 and start at 1-72, creating a easy way to ignore the 0. Or you can ignore the 0 all together.

Question 4**1 / 1 pts**

To compare the elements of an array for equality, which of the following actions must we take first?

- ☐ First, make a backup copies of the two arrays
- ☒ First, make sure the two arrays are the same length
- ☐ First, run a for loop to compare each array, element by element
- ☐ None of these answers is correct

Question 5**1 / 1 pts**

True or False? When declaring an array, we use a set of square brackets.

- ☒ True
- ☐ False

Quiz Score: **4.5** out of 5