

## Chapter 9 CRT - Sophia Chen - CompSci 20

1. Index value = 2
2. `int[ ] quantities = new int[20];`
3. `double[ ] heights = {1.65, 2.15, 4.95};`
4. 

```
for (i = 0, i < grades.length, i++) {  
    System.out.println(grades[i]);  
}
```
6. Passing an entire array to a method passes a reference to the array, so changes made affect the original array. Passing a single element passes its value, not as a reference to the data type location, so changes do not affect the original array.
7. Offset indexes access specific parts of an array, such as subarrays or portions for operations like searching or sorting, starting from an index other than 0. This includes when a range is needed to be shifted to be constant to a lower range of values.
8. Output = "i"