

CRITICAL THINKING - CHAPTER 9

1. The index value of the third element in the array would be 2.
2. `int quantities[] = new int[20];`
3. `double heights[] = {1.65,2.15,4.95};`
4. `int grades[] = {90,92,95,88}`
 `for(int n: grades)`
 `System.out.println(n);`
6. An array can be passed to a method as a parameter and is a reference data type. Passing a single element passes the data stored, not a reference to the data location.
7. Offset array indexes are sometimes required when a range should be shifted to correlate to a lower range of index values.
8. The output given is "i".