1. 2

2. `String[] quantities;`
   `String[] quantities = new String[20]`

3.
```java
int heights[] = {1.65, 2.15, 4.95};

int num = heights.length;

for (int i = 0; i < num; i++)
{
        System.out.println(heights[i] + " ");
}
```

4.
```java
String[] grades;

for (int i = 0; i <grades.length; i++)
{
        System.out.print("Enter the grade: ");
        grades[i] = input.next();
}
```