LESSON 3:
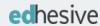
Arrays of Strings

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Learning Objectives

- Understand that arrays can contain class data as well as primitive data
- Analyze examples of code which uses arrays containing String data

Strings are Objects

In Java arrays can hold either primitive data or object data.

```
String[] movies = new String[5];

movies[0] = "Creature from the Black Lagoon";
```
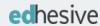
Now you try it:

Add the movie "Don't Eat the Daisies" to index #2.

Assigning Values in a Loop

We can use a for loop to assign all the Strings in the array.

```
String[] movies = new String[5];
for (int i = 0; i<movies.length; i++){
    System.out.println("Enter a movie title:");
    movies[i] = scan.nextLine();
}
```

Calling Methods on Strings in an Array

Use the square brackets and the dot operator.

```
//Prints the length of the first movie title
System.out.println(movies[0].length());
```

Putting It All Together

Loop through an array and call the methods for each String.

```
//Print the first and last letter of each movie
for (int i = 0; i<movies.length; i++)
{
    String firstLetter = movies[i].substring(0,1);

    //Review substring if the line below is confusing
    String lastLetter = movies[i].substring(movies[i].length - 1);
    System.out.println(firstLetter + lastLetter);
}
```