Java Arrays Part 1 Notes

Team Treehouse

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1 Meet Arrays

2 Declaring Arrays

- **Syntax:** *DATA_TYPE[] VAR_NAME = new DATA_TYPE[SIZE]*

  <u>**Example:**</u>

```
1    String[] friends = new String[3];
2
```

- Defeault values

  - *byte*: 0
  - *short*: 0
  - *int*: 0
  - *long*: 0L
  - *float*: 0.0f
  - *double*: 0.0d
  - *char*: '̆0000'
  - *String* (or any object): null
  - *boolean*: false

3   Quiz 1

1. Which of the following statements would create an array named planets with 9 String elements?

   A. String planets = new Array(9);

   B. String[] planets = new String[9];

   C. Array[] planets = new String[9];

   D. String[] planets = new String(9);

   Answer: B

2. When you create a String array like this:

```
1      String[] goldenGirls = new String[4];
2
```

   What will the values be initialized to?

   A. ""

   B. null

   C. 0

   Answer: B

4   Accessing Items

- **Syntax:** *ARR_VAR_NAME[INDEX]*

   Example:

```
1      String[] friends = {"Pasan", "Johnathan", null};
2      System.out.println(friends[0] + " is my classmate");
3
```