

[https://docs.oracle.com/javase/7/docs/api/java/lang/String.html#indexOf\(int\)](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html#indexOf(int))

1. Select **five** methods from the **String JavaDocs** and describe the following for each:

- a. `charAt`
  - i. `public char charAt(int index)`
  - ii. This method accepts an index int from a string and returns the char value.
  - iii. This will help separate the string into char values.
- b. `Split`
  - i. `public String[] split(String regex)`
  - ii. Splits a string into the given regular expression. Ex ":" splits by colon
  - iii. This helps when we want to split a string by a specific symbol or word, etc. We can split by a coma used by excel sheets
- c. `Contains`
  - i. `public boolean contains(CharSequence s)`
  - ii. checks to see if the string contains the given value. Returns true if it contains the value and false if not.
  - iii. this can be very handy when checking to see if a string has a letter or word you might need.
- d. `Equals`
  - i. `public boolean equals(Object anObject)`
  - ii. compare two string to see if they equal each other and return true if they are equal or false if not
  - iii. This can be very helpful when you are comparing data.
- e. `indexOf`
  - i. `public int indexOf(int ch, int fromIndex)`
  - ii. this searches for a specific character in the string and returns the index.
  - iii. This can be helpful when you want to look for the location of a chr

2. What is your favorite thing you learned this week?

- a. My favorite thing this week would be learning about methods since they will come in handy. They are always used and can help reduce re-usable code. Also enjoyed arrays since they are a good way to store multiple variables/data. This will help us group many variables together.