

Project 6, Relevant Java String Methods

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1. `char charAt(int index)` can be used with boolean `Character.isDigit(char ch)` to determine if a symbol is symbolic (i) or numeric (42). For example:

```
Character.isDigit(parser.symbol().charAt(0))
```

This works because symbolic symbols may not begin with digits.

2. Character comparison is done using `==`:

```
if (command.charAt(0) == '@')
```

Note that character constants are delimited by single quotes. Recall that String comparison is done using the `equals()` method.

3. `int indexOf(int ch)`. Example:

```
int begin = command.indexOf('=');
```

4. `int length()`

5. `String substring(int beginIndex)`,
`String substring(int beginIndex, int endIndex)` Examples:

```
String s = "Computer Architecture";  
// Returns "Architecture".  
s.substring(9);  
  
// Returns "Computer".  
// Note that 8 is the index of the space character.  
s.substring(0, 8);
```

6. String method in `Assembler.java`:

```
private String toImmediate(int val)
```