

# char Operation

## Getting a specific char in a String

- To get a specific char in a String by index, use “charAt(int)”
- For example:

```
String str = "cit";  
char firstChar = str.charAt(0); //firstChar i
```

## More char Operations

- To convert a String to an array of chars, use the "toCharArray()
- For example:

```
String myString = "hello";  
//arrayOfChars contains 'h', 'e', 'l', 'l', 'o'  
Char[] arrayOfChars = myString.toCharArray();
```

- To check whether a specified char value is a letter, use "Character.isLetter()
- For example:

```
boolean isLetter = Character.isLetter('t'); //
```

## More char Operations

- To check whether a specified char value is uppercase, use “Character.isUpperCase”
- For example:

```
boolean isUpperCase = Character.isUpperCase('T');
```

- To check whether a specified char value is lowercase, use “Character.isLowerCase”
- For example:

```
boolean isLowerCase = Character.isLowerCase('t');
```

## More char Operations

- To convert a character to uppercase, use “Character.toUpperCase”
- For example:

```
char myChar = Character.toUpperCase('t'); //myChar = 'T'
```

- To convert a character to lowercase, use “Character.toLowerCase”
- For example:

```
char myChar = Character.toLowerCase('T'); //myChar = 't'
```

## More char Operations

- In Java, you can compare characters like you compare numbers
- For example:

```
char myChar1 = 's';  
char myChar2 = 't';  
boolean compared = myChar1 < myChar2; //compare
```