

Instantiating Array

If we do not know the exact data:

1. DataType[] variablename= new DataType[length]
int[] nums = new int[5];

If we know the exact data:

2. DataType[] variablename = {data1, data2, dat3 ...}

Arrays Utility Class

```
toString(array): converts the array object
(single dimensional) to string, returns string
```

```
sort(array): sorts the array in ascending order
ascending order: smallest to larger
```

```
equals(array1, array2): checks if two arrays are
equal, returns boolean

int[] arr1 = {1,3,2};
int[] arr2 = {1,2,3};

boolean r1 = Arrays.equals(arr1,arr2);

System.out.println(r1);
```

console: False

copyOf(array, newLength): copys the elements of the array, starting from first element to given number, returns new array

```
String[] students = {"Elif", "Sinem", "Gunay", "Cihad", "David",
"James", "Aaron", "Daniel"};
String[] earlyBirds = Arrays.copyOf(students, 2);
System.out.println(Arrays.toString(earlyBirds));
console: [Elif, Sinem]
Must
```

copyOfRange(array, beginningIndex, endingIndex): copys the elements of the array, staring from beginning index till the ending index (ending index excluded), returns new array

String method

```
toCharArray(): return a char array
"abc".toCharArray() ====> {'a', 'b', 'c'}
```

```
String str1= "acdb";

char[] str1ToCharArray = str1.toCharArray();

System.out.println(Arrays.toString(str1ToCharArray));
```

[a, c, d, b]



split(value): retruns String array

```
String sentence = "Wooden Spoon";

String[] words = sentence.split("");

console: [W, o, o, d, e, n, , S, p, o, o, n]
```

