

## **5. Notes all String Methods with programs**

### **1. Lowercase Method: toLowerCase()**

The lowercase method returns a string with all values converted to lowercase letters.

#### **Lowercase Method Example**

```
str.toLowerCase();  
/*Would return the string, "i'm a timelord from  
the planet gallifrey."*/
```

### **2. Uppercase Method: toUpperCase()**

The uppercase method returns a string with all values converted to uppercase.

#### **Uppercase Method Example**

```
str.toUpperCase();  
/*Would return the string, "I'M A TIME LORD  
FROM THE PLANET GALLIFREY."*/
```

### **3. String Method: toString()**

The string method returns a string or string object as a string.

### String Method Example

```
let num = 904;  
num.toString();  
/*Would return "904"*/
```

### 4. Substring Method: substring()

The substring method extracts characters from a string between two specified indices.

### Substring Method Example

```
str.substring(31, 40);  
/*Would return the string "Gallifrey". NOTE:  
Excluding the second index will return all  
characters after the start index.*/
```

### 5. Includes Method: includes()

The includes method returns a string if it contains a specified value.

### Includes Method Example

```
str.includes("Timelord");  
/*Would return boolean true*/
```

## **6. Match Method: match()**

The match method returns a string object with a matching value.

### **Match Method Example**

```
str.match("Timelord");  
/*Would return an array object with the  
matched value. Regular expressions can also  
be used.*/
```

## **7. Concat Method: concat()**

The contact method returns two or more joined strings.

### **Concat Method Example**

```
str.concat(" I'm The Doctor, look me up!");  
/*Would return "I'm a Timelord from the planet  
Gallifrey. I'm The Doctor, look me up!"*/
```

## 8. Trim Method: trim()

The trim method removes unneeded whitespace from the start and end of a string.

### Trim Method Example

```
const str = "  Welcome to HubSpot  ";
```

```
const newMessage = str.trim();
```

```
console.log(newMessage);
```

```
/*Would return Welcome to HubSpot*/
```

## 9. Eval Method: eval()

The eval method allows code written as a string to be evaluated and executed.

### Eval Method Example

```
let expression = "2 + 3";
```

```
let answer = eval(expression);
```

```
console.log(answer);
```

```
/*Would return 5*/
```

## **10. Replace Method: replace()**

The string replace method returns a new string to replace a piece of an existing string.

Replace Method Example

```
let text = "Hello HubSpot!";
```

```
let result = text.replace('HubSpot', 'Reader');
```

```
console.log(result);
```

```
/*In this example, the replace method  
searches for 'HubSpot' and replaces it with  
'Reader'. The resulting string is "Hello  
Reader!". */
```