

length():

word.length

eg: var name = "Nandhini"; o/p: 7

name.length;

var tweet = prompt("compose ur tweet");

var tweet count = tweet.length

alert('you have written' + tweet count + " char. you have" + (140 - tweet count) + " chars remain");

slice(x, y):

eg: var name = "Nandhini";

name.slice(0, 1);

↳ (0 to 1) not included.
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o/p - N.

```
var tweet = prompt("compose your tweet:");  
var tweet under 140 = tweet.slice(0, 140);  
alert(tweet under 140);
```

uppercase():

Eg: var name = "Rohan";
name.toUpperCase(); o/p- Rohan
 ROHAN

```
var name = prompt("what is your name?");  
alert("Hello" + name);
```

```
var name = prompt("what is ur name?");  
var firstchar = name.slice(0, 1);  
var uppercase firstchar = firstchar.toUpperCase();
```

```
var restof name = name.slice(1, name.length);
```

```
var restof name = restof name.toLowerCase();
```

```
var capitalised name = uppercase firstchar +
```

```
alert("Hello" + capitalised name);
```

o/p: tesina => Hello Tesina.

Arithmetic :

1.) Addition (+)

2.) Subtraction (-)

3.) Multiplication (*)

4.) Division (/) → Quotient

5.) modulo (%) → Remainder

Dog Age to human Age converter

$$\text{formula: humanAge} = (\text{dogAge} - 2) * 4 + 21$$

Increment / Decrement :-

$$x++ \Rightarrow \text{Increment} \Rightarrow x+1$$

$$x-- \Rightarrow \text{Decrement} \Rightarrow x-1.$$

for more than add/sub/mul/div \rightarrow |

$$x++2 \Rightarrow x = x+2 -$$

$$x--2 \Rightarrow x = x-2$$