

# STRINGS

Lecture 10

# STRING

- A data structure intended to hold any thing within single or double quotes.

“Apple”

- The most widely used data structure in software development.
- They are immutable, one created, they cannot be modified, instead a new one is generated.

# STRING

- We can merge multiple strings together!

```
let firstName = "Muhammad";
```

```
let lastName = "Ali";
```

```
let fullName = firstName + lastName;
```

```
//Muhammad Ali
```

# MANIPULATING STRINGS

- Javascript provides a bundle of utility functions to modify existing strings and generate new ones.

```
let fruit = "apple";
```

fruit[0]

fruit[1]

fruit[2]

# ACCESSING CHARACTERS

```
let fruit = "apple";
```

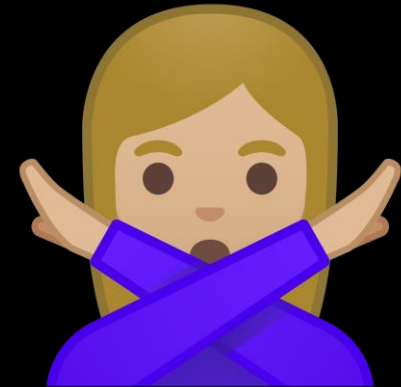
```
fruit.charAt(2)
```

# CHECKING EXISTENCE

```
let fruit = "apple";
```

```
fruit.includes("z")
```

```
//false
```



# CHECK IF A STRING ENDS WITH A PARTICULAR WORD OR CHARACTER

```
let fruit = "He is a nice guy";
```

```
fruit.endsWith("guy")  
//true
```



REPEAT A PARTICULAR WORD MULTIPLE  
TIMES

```
let fruit = "Pizza";
```

```
fruit.repeat(2);  
PizzaPizza
```





## REPLACE A STRING

```
let fruit = "Give you a Pizza";
```

```
fruit.replace("you", "");
```

Give a Pizza



## SLICE A STRING

```
let fruit = "Give you a Pizza";
```

```
fruit.slice(1, 4);
```

```
ive
```

## REMOVE EMPTY SPACES (TRIM)

```
let fruit = " Give you a Pizza ";
```

```
fruit.trim();
```

```
"Give you a Pizza"
```

# BREAKING A SENTENCE INTO WORDS

str = "I like mangoes"

str.split(' ') → [I, like, mangoes]

# GETTING THE ITEM POSITION



str = "I like **mangoes**, do you like **mangoes**"

str.indexOf('mangoes')



str.lastIndexOf('mangoes')

# ASSIGNMENT 1

- I have always been fan of Pizza.  
Though Pizza is not a local dish but  
Pizza has gained so much popularity  
in here too.

Take input from user through prompt and generate the above motioned paragraph with the user entered dish.