

Assignment 9

Difference between 0, undefined, and null.

0: -

1. Type: number.
2. Define: it is just number you can define any variable
3. EX: `let cloud = 0 ;`

Undefined: -

1. Type: undefined.
2. Define: it is like you create variable, but you forget give it value.
3. EX: `let cloud ;`

Null: -

1. Type: object.
2. Define: it is like you create variable, but you give it value null.
3. EX: `let cloud = null ;`

Difference between var, let, and const.

Var: -

1. Function-scoped.

```
function test() {  
    var w = 20;  
}  
console.log(w)
```

Output of console: - Uncaught
ReferenceError: w is not defined.

2. Not block-scoped.

```
if (true) {
```

```
var w = 20;  
}  
console.log(w);
```

Output of console: - 20

Let: -

1. Function-scoped.

```
function test() {  
    let w = 20;  
}  
console.log(w);
```

Output of console: - Uncaught
ReferenceError: w is not defined.

2. Block-scoped.

```
if (true) {  
    let w = 20;
```

```
}  
console.log(w);
```

Output of console: - Uncaught
ReferenceError: w is not defined.

const: -

It used to constant variable you
Will not change.