Day 16

let & const

. Defination.

let = used te declare variables
with block scope (only accessible
inside{}).

· const → used to depre constants
(value that cannot be reassigned).

syntax

let variable Name = value;
const constant Name = value;

Example

let a = 10;

a = 20;

const pi = 3.14;

pi = 4;

- Diagram (Block scope)

```
{
    let x = 10;
    const y = 20;
}

    console.log (x);
```

=) Arrow functions.

- Defination

Arrow function are a shorter way to write function in Javascript. They do not have their own this, instead they inherit this from the parent scope.

=> Syntax:

const function Name = (param 1
                    , param 2) => exprssion;

Example

```
function add(a, b) {
    return a+b;
}
    const add = (a, b) => (a+b)
```

=> Diagram

```
function add (a,b) { return a+b;
} -> (a,b) => a+b
```

⇒ Ternary Operator

- Definition

They ternary operator is a shot form of if/else condition it uses ? ;

- syntax

condition ? expression if True :

expression if false ;

Exaple

```
let age = 20;
let result = (age >= 18) ?
        "Adult" : "Minor";
console.log (result);
```

Daigram

if (age >= 18 { "Adult"} else

{ "minor"}

↓ (shorted)

(age >= 18)? "Adult; "minor"