⑧ ECMA [3:47]

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ECMASRIPT (3:48:00)

History
1) 1996 — JavaScript created
2) 1997 — ECMA Script
3) 2015 — ES6

Timeline

ECMASRIPT 2015 (ES6)

ECMASCRIPT 2016 (ES7)

ECMASCRIPT 2017 (ES8)

ECMESCRIPT 2018 (ES9)

ECMASCRIPT 2019 (ES10)

ECMASCRIPT 2021 (ES11

ECMASCRIPT 2015 / ES6

- Let & Const
- Template String
- Default Argument
- Rest Operator

- Destructring
- Object properties
- Arrow Function
- Spread Operator

1. **Let Vs Const Vs Var**

Var ⟹ Function scope
let and const = Block scope

programme

```
function biodata () {
    var myFirstName = "Moteullah";
    console.log (myName);

    if (true) {
        var myLastName = "thapa";
        console.log ('inner' + myLastName)
        console.log ('outer') + my FilyNa)
    }

    console.log ('inner outer' + MyLastN);
}
biodata ();
```

Var ⟹	Let	Con
		only one time declare not chang
Moteullah	Motullh	
inner Armi	inner Armi	
inner Motellah	inner Motellah	
inner outer Motullah	error	
	Parent define use child	

2. Template literals (Template string) $

⇒ Table print

```
for (let num = 1; num ≤ 10; num++)
{
    let table OF = 12;
```

old // console.log (table OF + " * " + num + " " + tableOF
                                                    * num)

back
string
new   Console.log (`${table OF} * ${num} = $
                          {table OF * num}`);

3. Default Parameter

default function parameter allow named parameters to be initialized with default values if not value or undefined pass.

                              change

```
function mult (a, b){          ⇒   function mult (a, b = 5){
    return a * b;                      return a*b;
}                                  }

Console.log (mult(5) )             console.log ( mult (5, ) }
```

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6. Fat Arrow Function (4:12:00)

Normal-Way

```
funct sum() {
    let a = 5;    b = 6;
    let sum = a+b;
    return ` the sum of two numbers is ${sum}`;
}
```

Arrow Convert

```
const sum = () => ` sum of two is ${(a=6)+(b+6)}`;

console.log(sum());
```