

1) Functional Programming Language

- Programming chi style aahe jithe **sagla kam functions ne hota**.
- Features:
 - Functions la **first-class** mhanun treat karto (variable madhe store karnar, pass karnar, return karnar)
 - Data direct **change karat nahi** (immutability)
 - **Pure functions:** same input la same output, side effect nahi

```
function add(a, b){  
    return a + b;  
}  
  
console.log(add(5, 3)); // O/p-8
```

2) Anonymous Function

- Function jyala **naav nasat** .
- Temporary use sathi vapraycha.

```
const greet = function() {  
    console.log("Hello!");  
};  
  
greet(); // Output: Hello!
```

3) Arrow Function

- Short way to write function using =>.
- Ha automatically handle karto.
- Just like anonymous function we can't use function keyword.

```
const squareArrow = x => x * x;  
  
console.log(squareArrow(5)); // Output: 25
```

4) Conditional Block

- Code **execute hoto** depending on condition.
- if, else if, else, switch vapraycha.

```
const age = 18;

if (age >= 18) {
    console.log("Adult");
} else {
    console.log("Children");
}
```

5) Higher-Order Function

- jya function madhe apan dusara function asa a parameter mhnun deto
 - kiva jo function dusarya function la parat return karato that function called Higher order function.
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6) Callback Function

- Eka Function la dusarya function la as a argument pathavane mhnje Call back function.
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7) Document Object Model (DOM)

- Webpage je disat(HTML) tyach tree structure mhnje DOM
 - Javascript he DOM vaprun webpage varil elements badalu shkat
 - Mhnjech apn text,style,element hide show kru shkto,navin element add kru shkato,Button click zalyavr action kru shkato
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8) Camel Casing

- Variable/function names lihinyacha style:
 - First word lowercase
 - Next words start with uppercase

```
let firstName = "Siddhi";
```