

## 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
```

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## 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
```

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## 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");  
}
```

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### 5) Higher-Order Function

- ज्या 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";
```