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Date: _____
Page: _____

If else statements

— Codes are written in notes. notation

```
if (condition == true) {
```

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

```
} else {
```

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

```
}
```

NOTE - Codes are written on notation

loops

For loops we use

```
for (let i = 0; i < array.length; i++) {
```

```
    for (condition) {
```

```
    }
```

```
    console.log (answer);
```

Codes are written on notion

Arrays and objects

Array - Store multiple values under a single variable name.

const ages = [] / Array

```
for (let i = 0; i < ages.length; i++) {
  console.log(ages[i]);
}
```

~~const~~ - ~~const~~ ~~const~~ ~~const~~ = ~~const~~ ~~const~~ ~~const~~ ~~const~~

Object

const user1 = {

First Name: "Aryan",
gender: "male"

}

~~const~~ ~~const~~ Syntax of objects

To access objects

~~const~~

console.log(Cuser-1 ["First Name"])

Functions

— block of code designed to perform a particular task

Function Sum (a,b) {

const SumValue = a+b;
return SumValue;

}

const value = Sum(1,2);
console.log (value);

Functions

- 1 abstract out logic in your program
- 2 Take argument as an input
- 3 Return a value as an output

4. Function can take other function as input

Callback Functions

Passing function into another function is known as callback function.

```
function sum(a, b) {
```

```
    console.log(a+b);
```

```
}
```

```
function calculator(a, b, sumcallback) {
```

```
    sumcallback(a, b);
```

```
}
```

```
calculator(1, 2, sum);
```

Call back hell

Nesting :- When you use if else statement inside if else statement is called nesting

* Tab callback ki nesting bohot deeper level par chali jati hai to ise call back hell ki problem arise hoti hai

Function getData (dataId)

{

// 2s

SetTimeout(() => {

console.log ("data", dataId);

}, 2000);

}

Date: _____
Page: _____