# Day 1 Challenges Of backend.

# **First Class Function**

When the function in that language is treated like any other variable.

For Example: -

In such a language, a function can be passed as an argument to other function, can be returned by another function and can be assigned as a value to a variable.

# Higher Order Function:-

A function that returns a function or takes other functions as arguments is called a higher-order function.

# Arrow Function: - Just to reduce the Complexity or Line of Code.

**Before Arrow:**

hello = function () {

return "Hello World!";

}

**With Arrow Function:**

hello = () => {

return "Hello World!";

}]

# Example :-

Const powertwo=(n)=> {

Return n\*\*2

}

Function powercube (powertwo) {

Return powertwo(n)\*n

}

Console.log(powercube(powertwo,3)

# **Array**

Arr.forEach()

Arr.map() are same anyone can be used.

Filter is use the filter the arr.

… Spreading for array element use for each element.

**…**

**Spread Operator**

**Argument is reserved keyword.**

**Rest Operator packs**