**First Class Functions**

**Anonymous Function**: A Function without a name is called anonymous

**Function Statement Vs Function Expression Vs Function Declaration**

**Function Statement aka Function Declaration**

function a(){

    console.log("a called")

}

This way of creating a function is called function statement

**Function Expression**

var b=function(){

    console.log("b called")

}

The major difference between these two is hoisting

Graphical user interface, text, application, email

Description automatically generated

**Anonymous Function**: Anonymous functions are used in a place where functions are used as values. You can assign to a variable and use it as variable

Graphical user interface, application

Description automatically generated

Named Function Expression

*//Named functions Expression*

var c=function xyz(){

    console.log("b called");

}

xyz();

xyz cannot be called outside because it is not in the global scope.

Difference between Parameters & Arguments?

var b=function(param1, param2){ *//parameters*

    console.log("b called");

}

b(1,2); *//arguments*

First Class Functions:

The ability of functions to be used as values is called first class functions

We can pass functions inside a function as arguments

Graphical user interface, text, application

Description automatically generated

We can also pass a named function as an argument

Graphical user interface, text, application

Description automatically generated

We can also return a function from a function

Graphical user interface, text, application

Description automatically generated