Inversion of Contral = The control of the our callback, we are giving to the other function us deciding went t when to call our callback, where to call our callback, where not, how many times to call our callback. then()'also returns a promise object.

returns a new promise object First Class functions | Einst Class citizens.

They are called first class functions our first class citizens because they have the ability to be storred in * the variables, passed as parameters and arguments. They can also be oreturned in the function,

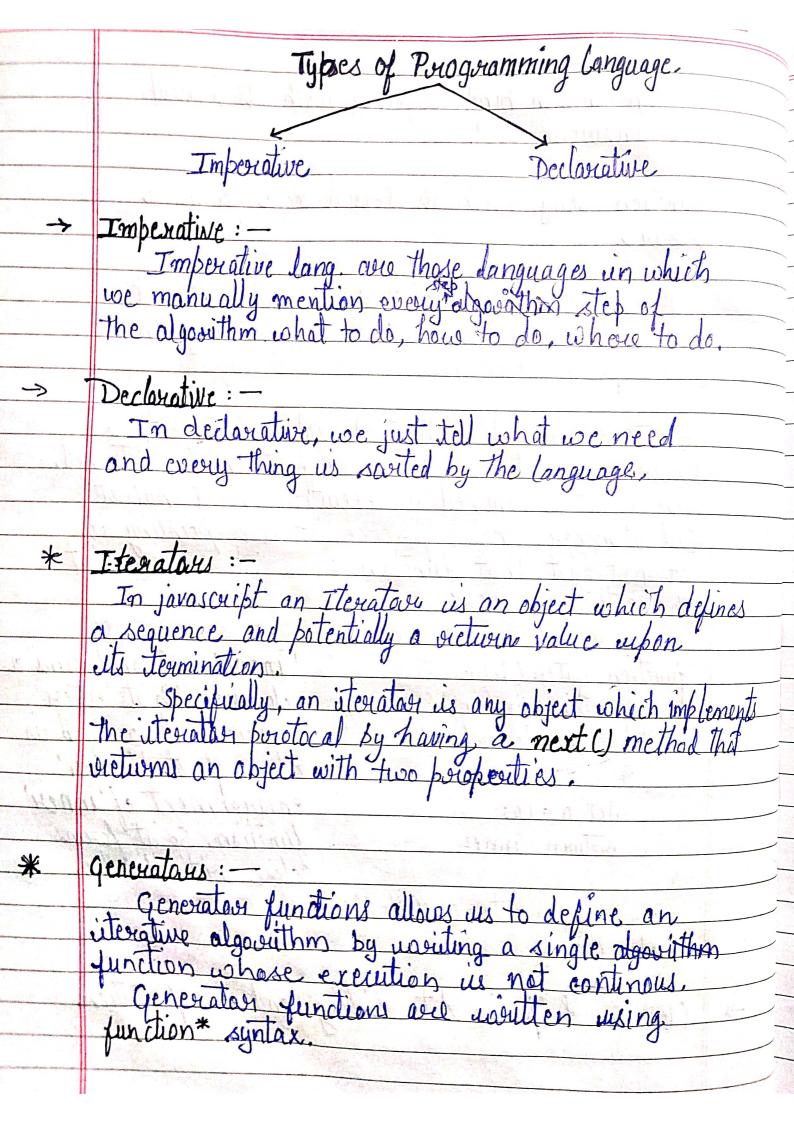
can be used as an argument

can be executed inside a closure function

can be taken as return form. voy b = function (param) 5 console log ("FC.F");

function process () es function inner Process () 5 return innerprocess; // use are not calling the function, we are just returning let vier = process(): // this line calls the function, which vieturns another function accessed inside our function whose scape might be in our function or outside of the function, it remembers the memory location of all those variables. chowers makes pensistent stocrage. A editable memory docation our memory that gets attached to a function, that it never forgets. It is called as clasures because use are technically closing over values: means it is remembering the scape of a variable, use are not snapshoting the value means it is not a never changing property. It is actually some variable.

"A function binds together with its dexical environment". Function dong with its dexical scope forms a closure. A closure is a function that wemember its outer variables and can access them. All functions in javasoript are closures. Function bandled with its desiral environment is known as a closure. When ever function is returned even if it is vanished in execution context but it still viemebens the vieterience jet was pointing to. He entire closure. function outer (b) & function inner US closure with its outer environment and bus console log (a,b); det a = 10; also a part of outer' environment of inner' function. So it forms close with b' also. victury inner van close = outer ("Hello"); Closures helps in data hiding and encapsulation.



when we called, generators functions do not initially execute their code. Instead they octure a special type of interators, called a Green erators.

When a value is consumed by calling the generator's mext method the Grenerators function executes until it encounters the yield keywoord. The execution of the generators function doesn't start at the time of calling the function.

The moment use got yield, the execution of the generators function stop there, and whatever ever was yielding, it returns that I that value 'yield' is similar to victure but not a viction