·50dl		10			
episode	closures in javascript	,			
//		Contract Con			
-	- function x() {	Tin y(), (losuse is			
	van = 7;	formed with the			
	function y() {	variable which were			
	$(onsole \cdot loq(a); \qquad \longrightarrow 7$	part of x() lexical			
	3	5(ope.			
	y();				
	3		_		
	X();		_		
			_		
	together with its lexical envisonment.				
	together with lits lexical envisooment.				
			-		
	- A closure is the combination of a function				
	bundled together (enclosed) with geference's to its				
	sumsounding state (rexical environment).				
	suppounding state (rexical environment).  — In other words, a closure gives you access to another function's scope from an inner function.				
	another function's scope from on inner function.				
•	- In javascript, closures are created every time a function is created at function creation time.				
	function is created at function creation time.				

Tonce y is returned, Xtis now gone, vanished (x is no longer function x() { in call stack now) Van a = 7; function y()d

(onsole-log(a); fy() d (onsole.log(a); (On sole · log(z); function X() { VOS a=7; function y() { = fy() {
(onsole, log(a); VON Z= X(); console log(z); this prints 7 in convole, and here closure comes into picture. Functions are so beautiful that when they are returned from another function. they still maitains their lexical scope, they remember that where they were actually present. Though X() function is completely vanished but where it came from i.e. it remembers that there was something a so here function with its lexical scope i.e. closure was returned.

Paga No.			
Date			

function X() {
$Va_{\delta} = 7$
function y() 2
(onsole·log(a);
$f_{y01}$
0 = 100; (onsoll-log(a);
zetum y;
100
VOG Z= X();
(onsole.log(z);
2();
Part William
- Uses of closures:
1) Module Design pattern
(2) (urrying
3 functions like once
a memoize ( ) sound by helping it
5 maintaining state in async world
6 set Timeouts
7 Iterators
i lei tei
s in juvascript, you can pass function as argument
to another function

to another function.

you can also return a function out of another function.

when you return a function, closure is returned i.e. function with its lexical scope is returned