Day 3

Camlin Page
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Programming poradigms: There are two commonly used paradigms in programming:

1) functional programming
2) Object-oriented programming. D Functional programming: - There is clear distinction between data and functions in functional programming as data can exist outside of function Vor course = 100; - data Var GST = 1.18; function to talprice (price, tax) > --> function return price \* tax; Vor topay = totalprice (course, GST); Console log (topay)i Scope - It is all about code accessibility. It determines which parts of the rode are accessible and which parts ore inaccessible -, global scope Var num1 = 10 i function score () { - local Gcope Var numz = 20; Consoleolog (numz).

2) Object-oriented programming - often referred to as OOP. - Oop revolves around the idea of organic our program using objects to group related data and function ability. Vor purchasel = } Course: 100, GST: 1-18, totalprice: function () } var colculation = purchasel.course x purchasel. GST. consolelog ('Total Price: , calculation purchasel. course; // 100 purchasel-GST; // 1.18 vor purchase = } (ourse : 200, GST: 1.18, totalprice: function () { Var colculation = this. course x this. GST: consoleolog ('Total price:', calculation purchase2.totalprice(); // 218 Instead of - With the object criented approach we can code more efficiently by reusing existing rode

\* Classes: In javascript any class is built using the class keyword , followed by the an name of the starting of the curly braces we have the constructor function which accepts as many parameters as needed Closs Cor } constructor (color, speed) {

this.color = color;

this.speed = speed; turboOn() 5 consolelag ("turbo is on!") Const corl = new Car ("red", 120)

Class is a blueprint that we can repeatedly use to build new object of certain kind, as many time as we like. \* Inheritancehoswings: true,s

confly: true,

hasfeathers: true vor eagle = object-create (bird); console log ("eagle:", eagle);

console log ("eagle can fly:", eagle canfly); //true

console log ("eagle has wings:", eagle has Wings);