JAVASCRIPT

word vs Keyword World - Random world that user types (No meaning).

Keyworld - Anyworld that has a special meaning

ex:- For, while etc.

Var, Const, Let

var - You can change the value of var const - constant, can't change the value assigned to something which is declared as const.

Let -> variables declared with let have block scope cannot be redeclared in the same scope.

Hoisting

Variable and functions are hoisted which means their declaration is moved on the top of the code

Ex! - variable can be declared after it has been

ele = document.getElementBy Id ("demo");

Types in JS

Primitives -> They are identified by the variable name you used for declaration.

Any value which when copied, gets real copy is primitive

Référence -> [], (), ?] there are références

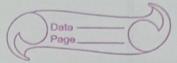
when you copy a reference value they do not get copied but, instead their reference es passed Ex: - var a = 12; Primitive var a = [1, 2, 3, 4]; Reference. Ex: - Vara = [1,2,3,4]; vai b = a // referenced b → a changes in b'uill affect a also. # Conditionals - responses and sound if , else , else-if. if (False) { if (Fine) { if (False) { }
}

// execute else if (True) {

else {

// execute 1 execute y execute elset Else (x can be declared after it ! # loops

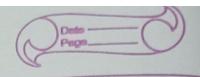
Repeat some conclition again and again.
for, while, do-while. # Functions Functions are mainly used for 3 purposes: 17 when you want to use your code in 2) when you want to run your code. By when you want to run your code with different data everytime.



syntax: - function abcd() (// Finction statement only suns when It is called. Arguments are passed inside function's paranthesis parameters variables in which values are stoned. Store # Arrays when we want to use more man one values inside à variable, me use array.

Ex: var à = [12, 13, 14]: Group of values. # Push, Pop, sheft, unsheft. Push: To add an element in an array or in any other delà structure. EX:- vai am = [1,2,3,4]; ampush (8); 11 [1,2,3,4,8]Pop: To delete an element (last element) Ex:- Nor arr = [1,2,3,4]; an. pop (); M[1,2,3] Unshift: dolds a value or prepends a value Ex: - var arr = [1,2,5,4,5,6,7]; an. unshift (0); 1/ [0,1,2,3,4,5,6,7] Shift: Remones the starting value from array.

Ex: - var arr = [1, 2,3,4]; avor. shift-£); 11 [2,3,4]



splice: Remone any value from an array from any index. Ex! - Vai arr = [1,2,3,4,5,6,7]; avec. splice (2,2); [1,2,5,6,7]# Objects

Holds a details of a particular variable.

9n a key-value paires 1) Blank object var a = ?3; 27 Filled object var $\alpha = 1$ age: 24,

name: "Raj"; Details of a particular identify To access the value we use " " Ex:- a name object proporties - These are the fields defined with some values inside un Methods: - any proporty which has a function as its value.