	Assignment no. 1
6	Variables
6	Q No. 1:-
5	Difference between let, var & const:-
3	1- var is globally scoped while be
6	& const are block scoped.
0	3- Var can be upolated and se-declared
9	within its scope.
0	3- lei can be updated but not be
9	re-declared.
0	4- Const can neither be updated nor
6	be re-declared.
0	5- Var variables are initialized with
•	undefine whereas let & const variables
9	are not initialized
8	6 - Const must be initialized, during
7	declaration unlike let & vas.
,	accionation arithe let & var,
2	Two class
	examples:-
	D function varTest () {
9-	var x=1; $var x=2;$
	$\frac{2}{3}$ vor $\frac{2}{3}$

```
Console. log (2); 11 2
     console. log(x); . 1/2
  (2)
     Par var a =1;
    y var a = 11; // global scope
     let b = 22; " block scope
    Console. log(a); 11 11
Console. log(b); 11 22
    console. log (a); // 11
    console. log (b); 11 2
3 function foo() {

var x=1;

function bar() {
   var y=2;
    Console. log (2); // 1
   console. log (y), 1/2
 bar ();
```

Console log (x); 11 1
Console log (y); Reference error, y' is scoped to bar' foo(); G var a=1; var a = 2; console. log(a); 11 2 console. log (a); 11 2; not undefined. S var  $\alpha = y$ , y = A''; console log (2); Il undefined Console. 109 (4); 11 A  $\bigcirc$  var x = 0; function f() { var 2=y=1; "Declare x locally; declare y globally. f();

```
console. 109 (x,y); 11 0,1
     console log ( Type of z); It undefined.
      function ac) &
    console. log(x,y); 11 0,2

function b() \xi

x = 3;

y = 4;
     2 = 5;
     3 6();
   console. log (x, y, z); 11 3 4 5
                                                            ()
   console. log (x, 2); 11 35
console log (type of y); 11 undefined

(3) var fruit = 'apple';

f var fruit = 'orang';

console log (fruit); 11 orange

3

console log (fruit); 11 orange
```

@ b= 25; console tog (b); 11 25 let h = 'khan'; if (true) } let h = 'hallo'; console-log(h); // hello consolo-log(h); 11 Khan Q2: History of Java Script :-The first popular web browser with a graphical user interface, Mosaic, was released in 1993. Accessible to non-technical people, it played a prominent role in the rapid growth of the early world wide web. The lead developers of Maraic then founded the Neiscape corporation, which released a more polished browser, Netscape Navigain in 1994. This became the most used. During these formative years of the

the capability for dynamic behavior after the page was loaded in the browser. These was a desire in the flourishing web development scene to remove this limitation, so in 1995, Netscape decided to add a scripting language to Navigator. They purshed two routes to achieve this: collaborating with Sun Microsystems to embed the Java programming language, while also hiring brendan Etch to embed the schome language.

Netscape management soon decided that
the best option was for Eich to devise a
new language, with syntax similar to java
and less like scheme or other extant
scripting languages. Although the new
lenguage and its interpreter implementation
were called livescript when first shipped
as part of a Navigator beta in Sep 1995
the name was changed to Javascript
for the official released in December.