	~ ~			¥			
· document-query Sclector ("- class") · click(); To click the selected class		> 10 * 10 <- 100.	> 34+35	Computations can be done in Console >	Console log ("Hello world"); [To print in Console].	alext ("Hello world"); [To display an alext].	Overview Date: Page: 1

			7		(3)
It is a high-level dynamic interpreted programming language Javascript and Java are different programming languages.	Javascript can be used in front end as well as back-end.	But if id name has symbols (Ex- bd-versions) lue cannot access this id directly, we have to type — document get Element By Id ("bd-versions"); to access this.	id innex Text = " It is a text";	NOTE - id can be selected directly by just contening id name 2	

> document . get Elements By Tag Name ("h1")[0].
Style . font Size = "29 px"; more than one In Tag Name, Class Name, [0] [1]... are used as it can be

#					
> console cleax ();	> document. write (" Message is directly written in HTML page");	> Console - warn ("This is a warning"); > console error ("Error displayed");	> Console.log ("Hello world"); > alert ("Alert");	Script is written in body (basically at the end) <td>Date:Page: _\</td>	Date:Page: _\

•		•									
< script Sxc = "yash.js">	file, which has an extension of Is (Ex-yoshis)	we can write the javascript in a different	(Comma is automatically removed).	<- Yash Ayush	It will print output as	console. log ("Yash", "Ayush");	NOTE -	> console . assert (4== (6-2)); <- undefined	P Assertion failed: Console-assert Displayed output.	> console. assert (4==6);	Date: Page: 5

- And text written without are considered as variable. - exed as variable. Ex- consoler log (a+b); Here a and b are variables.	t writhen ") are (" Hello wo	= 10:	Denoted by 1- var 2- let. Const

> consok. log (marks); <- { ravi : 3 +, shubham: 30, yash:13}	yash: 99 3;	Shubham: 30,	var marks = {	> Console log (a); <- This is a staing.	var a = ". This is a string";	Date:Page:
: 30, yash:11)						Page: 4

var a = null; If means we alloted the value of a as null.	It will give us output as undefined.	It is undefined as yet till now we have not defined its value thus on	var b= false; Undefined -	Booleans (True or False)>

									(8)
> console. log (a[3]); <-3	> console log (a[1]);	> Console · log (a) i <- (5) [1,2,3,4,5]	var a= [1,2,3,4,5];	Array - 30 and says sound	2. Reference data types: Arrays and objects.	1. Primitive: undefined, rull, number, string, boolean syn-	data types in Javascript	At a very high level, there are two types of	Date:Page:

var a=34:

var b=56:

Console. log ("The sum of a & b is", att);

The sum of a & b is 100 } output.

Console log (x== y); Console log (x== y); Console log (x>= y); Console log (x>= y); Console log (x>= y);	$C = C = 10$; \Rightarrow $C = C = 10$; \Rightarrow $O = 10$	An array could compnise of constants as well as with metic operators 1. Anith metic operators

										1	
console log (Label Labe); Labe.	console. log (false true); True	console log (true false); True	console log (true 11 true); True	console to false de false); false	Console. log (false de true); - false	console log (true & & false); false	console. log (true & & true); True	11 hogical operators	console. by) -> time or false. console. by) -> Assertion failed or underhead assert	and console assert are different.	Date: Page: 13

	2010	The same of	Links	No.	2017	X	0	fun	Thurn		
Want Walke I get along to	Cont of Mild of the colored	Made II such I got - Made St	Constitute of the same in state of	I district the solid to be seen in	return d;	d=b+ch was sure to about	المعدد الما المعدد المع	function a (b,c);	Incorrect method of defining function in Javascryt:	the lates and the fillers of the states	
	<i>i i</i>							9	#		

			(P)			
ab Output	C= a (10,2);		function	function -	hogical. not.	
→ → →	(10,2);	return di	d = btc;	Console. log (! true);	(الهاله) ;	
				False	True	Date:
						Page: 14

Array Name	*				B
we use for Each on a. for Each (function (b) { Checked by me by me by me	An unique way to paint all the elements of an	while, do-while, for - same as in C.	Conditionals in Javassapt - if, else if, else same as in c.	d= btc; xctum d;	a = (b,c) => { Date: Page: 15

					#	
It means either first relate it with something and then put that in console or the second method is directly put that in console	> output will be - 5	H-1-	console log (b);	m-1- b= a.length;	let a= ["fan", "Camera", 1,2,3];	Date: Page: 16

2. Dud	NOTE- M	Con Con	Pop Act a= a-1
Console. I	m= a. pop (); Copsole. p.log (u The element that	Console · log (a);	To remove end. a= L"fan" a-pop();
console. log (a.pop(1));		fan", "Camere	one element
	is removed	re ; 1, 2	Date: Page: 17
	thing different		Francisco (Control of the Control of

Push — To add an clement from end. a. push ("harry"); — To add a str a. push (10); — To add a con Console. log(a); > output — (6) ["fan", "camera", 1,1,3,10] NOTE— 1. m= a. push (10); Console. log (m); New length of array after clement is 1. console. log (a. push (10)); 2. console. log (a. push (10));		The state of the s				
B	> output - 6	Mem lens	Note-	"Camera", 1	- 1	To add an element

		養			
> output fan	The element that is removed methods. 2. console-log (a-shift());	NOTE - 1. m = a.shift(); console.log(m); same thing	Console. log (a); > output (+) ["Camera" .1,2,3]	Shift - To remove first element of an array. a. Shift ();	Date: Page: 15

						1	
2. console log (a.unshift (10));	benefit of army after element is added different	NOTE - 1. m= a.unshift(10); console-log(m); Same	> output (6) [10, "Fan", "Carnera", 1, 2, 3]	Console-log (a);	a. unshift (10);	Unshift To add an element from beginning.	Date:Page: 30

Length: m = a.length; console. Jog (m); ig 19 (onsole. Jog (a.length);	String - Let a = "Harry is a good boy";	NOTE <- first it will write humbers or element which corners first in dichbrary	Sort -	a. to Stairy () <- " fan, camera, 1,2,3"	to Staing - To convert an array into a staing.	Date: Page: 14

٠	lost inde	NOTE - J	1- Cons	m= a	
Console log	index of - Po m = a last Ir	Index of good= 11. From O. Similar	Console log (a);	a. index Of ("Harry")	
(a. Jast Inc	index of - Position of last world kind (if repeated) m = a. last Index Of ("good") Copsole. log(m);	similar to array	console. log (a. index Of ("Harry"));	(hat one)	Date:
Console-log (a. last Index Of ("good"));	Position of last word of that kind (if repeated) Index Of ("good") sle. log(m);	ay and stants		of a mora	P
				that I	

a replace ("Harry", "Ayush"); In replace, a new story is formed.

So to print that either relate that with a It will print a which is the unchanged string. variable or type -Console. Jog (a. replace ("Harry", "Ayush")). Console log (a); (3)

	h				+	0	
Output "Ayush is a good boy"	Console log (m); Console log (a. replace ("Harry", "Ayuth"));	m= a.replace ("Harry", "Ayush"); Same Target Source thing (Jisko) (Jisse) aillerat.	Replace To replace an element of string with	console log (m), Console log (a.slice (0,4)); Harry	m= a. slice (0,4); output	Slice - In this we provide index from where to where we want to ult-off	Date: Page: 2M

		1 1
· Console · log (a · get Date ()); · Console · log (a · get Minutes ()); · Console · log (a · get Full Year ());	· Console log (a); — It will print complete data, (date, time, day). · Console log (a.get Hours ());	Date, time, howy Page: 25

E	•		•			#
a [0]. style-bagkground = " yellow"; Largeting 1 St element with class name "class"	NOTE - Class name, and try name can give more than one values so [0], [1].[2] are to be used. a = document. get Elements By Class Name ("class");	do current. get Elements By Class Name ("class");	document. get Element By Id ("click"). Style-border =	> document. images document.get Element By Id ("click").click(); Id have	> document-location.	Datument Date: Page: 36

Style>
Style>
Style>

Background color: will ;

Page: 28 1 10 10 10 10 10 10 10	MI and MS will add a class of name by primary that is made on left page. NOTE- A class could be added without even defining it.	document. get Elements By Class Name ("class")[0].classlist.	• To add class M-1- a [o] · class List · add ("bg-primary");	2. document. get Elements By Class Name ("Class") [0]. Style. background = "yellow"; 1 6 2 will produce same output	Date:Page
--------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------	----------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------	-----------

		0		0
0 0	f al	TML / Innex Text. Innex HTML;	Tt will remove a class of name bg-primary.	To remove clan :

			0			•		1	-
Let C= document. create Element ("b"); C. inner Text = "This is a created bold";	Replace child To replace an element with another To replace an element with another To replace an element with another	a[o]. append Child (b);	Append child - To add an element inside an element.	to inner Text = " yash"; I Adding text to the created element.	b = document · create Element ("p");	Create Element - To create an element (< > >/>)	Console.log (a);	a = document. get Elements By Tag Name ("div");	Date:Page: _30

document. Scripts	downers URL	document · title	-> document. location	Parent element child.	And if there are multiple child it will be considered as [0], [L]	Hist target the parent element, let us assume with a [0] Also target the child element, that is to be	1000	a Col. replace Child (c,b);	Date: Page: 31
					be 67).	be			N. C.

	0	0		
NOTE - It works on the principle of CSS. (-,#).	document. query Selector All (".class");	document. query Scleaby (". Container");	document. images	Date: Page: 31

Example - Example - Example - (button id = "click" onclick = "clicked()" > click (button) > Function (it could the count of the could the console log ("Click hua"); } Luindow onload = function () { console log ("The downert was loaded to console log ("The downert was lo	#	-
"clicked () { clicked () { clicked () { click hu bad = function () tole-log ("The dou is written in scr		
SC dou like	"click" oncl clicked () { nosale log ("The sole log ("The sole log ("The	
function and the state of the s	lick = "clicked (Function Function and and c document we c document we	Date:
"clicked ()" > click Me "clicked ()" > click Me Function (it could be anything Eral)-). anything Eral)-).	Mirro Eral)-). h loaded")	Page: 33

		•	•							
mouse down.	mouseup	Mouseout	Mouseover	click	Events are as follows -	Ague used b = downert.get Element By ("");	Console-log (" Click hua");	function	id tha isiliye seedha likh diya Date: Page: 34	

	0		*	
Set Int	console-log set Interval -	after which function call to be done.) Ex- Function = () = {	Set Time out Set Tim Set Time W Low Settling time	
Set Interval (function, 2000); any function Thumb function function			1 3	
hon Mur	rmine	c	Set Interval (function ,	
Dr Cx	show many time	be done By and me	100 T	Date:Page
of times a should be called.	himas Called	be done. By and method of Juniting function	It is in ms. o);	Page: 35

where a= set Time out (function, 2	with a variable and then type clear Timeout (a);	· Clear Timeout -	where Q = Set Interval (function, 2000);	To clear interval first target Sct] with a variable And then type Clear Interval (a);	Clear Interval -
2000);	Set Timeout		000);	Sct Interval	Page: 34

Javascript Joual Storage - To save data as a string. > local Storage . Set Item ("name", "). To clear Jonal Storage - To get Item - Joual Storage . clear (); Joual Storage . get Item ("name") - * "harry" - Joual Storage . get Item ("name") Joual Storage . get Item ("name")						1			1		#	
data as a string tonage set Item ("name tonage strage - lear (); tonage get Item ("name to	Josef Stor	1 1		Josefs	Co	Josef S	Cleax			d	Javascript	
Jem ("name "name "	rage temore	0	harr	torage get 1	dw -	torage. clear	local storage -	torage I nam	tonage . set It	data	Jord storage	
B B R R	Item (" narr	ar item from		tem ("name"		C		e: "harry"	3	Atning.	•	
harry");	1e");			7					, harry");			Page: 37

			#
Consider log (type of i);	j = Json. stringify(obj); - object is converted NOTE- To know whether anything is string, ver, or object -	let obj = { name: "harry", length: 1	JSON - Javascript object notation. By converting object into string and String into object, data can be transferred

b= JSon. parse (" ");	console. Log (b); <- object will be its output.	1ct q=34;	console. log (" this is my \$ {a}"); we wantable within a string.	<- this is my 34.	
		JWI			