

JS CHEATSHEET Jamsoript Basics
Set of Jamsonipt basic syntax to add, execute and curity basic programming paradigms in Javascript. 1. On lage Script

Adding internal javascript to HITIL:

<script type = "text/javascript"> 11 JS code </script> 2. External JS File -> Adding external Javasviept to HTML <script suc = "surpt-gs" ></script> 3. Functions Javascriept Function syntax

function name of function () ?

Il function body

? 4. DOM Element - Changing content of a DOM Element.

document get Flement By Id ("element ID"). innerHTML = "Hello"; 5. Output

Thès will point the of value of a in Javascrapt condole. console·lig(a); Conditional Statements

Conditional Statements are used to perform operation based on some conditions.

	Paga
1.	31 statement
	The block of code to be executed, when the condition specified is true.
	specified & bue.
and the second s	if (condition) {
	if (condition)? Il block of code to be executed if condition is Town.
2.	91-else Statement
	If the condition for the if lolock is false, then the
	if (condition) {
	if (condition) { If block of code to be executed if the condition is true. } else {
	I block of code to be excusted if the condition is false.
3.	Else-if Statement A basic if-else ladden
<u>→</u>	A baséc éf-else ladden
	ef (condition1)?
$-\parallel$	11 block of code to be executed if the condians is tome.
	else if (condition2) {
	Il though of code to be as anded it condition it is hold but endition it
	Il book of code to be executed if condition I is false but condition I to false but condition I to false but condition I tout it true.
0	Osa S
	I block of code to be executed if previous conditions are false
	The court of the court of the process concernors and passes
$-\parallel$	

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	Swetch Statement
	Switch case statement is Javascriept
_	switch (expression)?
_	case x: 11 code
_	break;
-	case y: 11 code
	loneble; default: 11 code
	2 against 11 const
\rightarrow	Iterative Statements (Loops)
	Iterative statement facilitates programmen to execute
	ony block of code lines repeatedly and can be
	Iterative statement facilitates programmen to execute any black of code lines repeatedly and can be controlled as per conditions added by the programmer.
	Ten loop
	For loop syntax in joveroupt
	Pon loop syntax in javesoupt lon (initialization; condition; updation;)
	11 code
	a.O
2.	Thite loop
-> K	uns the code till the specified condition is tour.
	hèle (condition)?
	11 code
3. Do	While loop
→ A	do-while loop or executed at least once
No	pite the condition being true on false.
	Jan Dalse
	• _

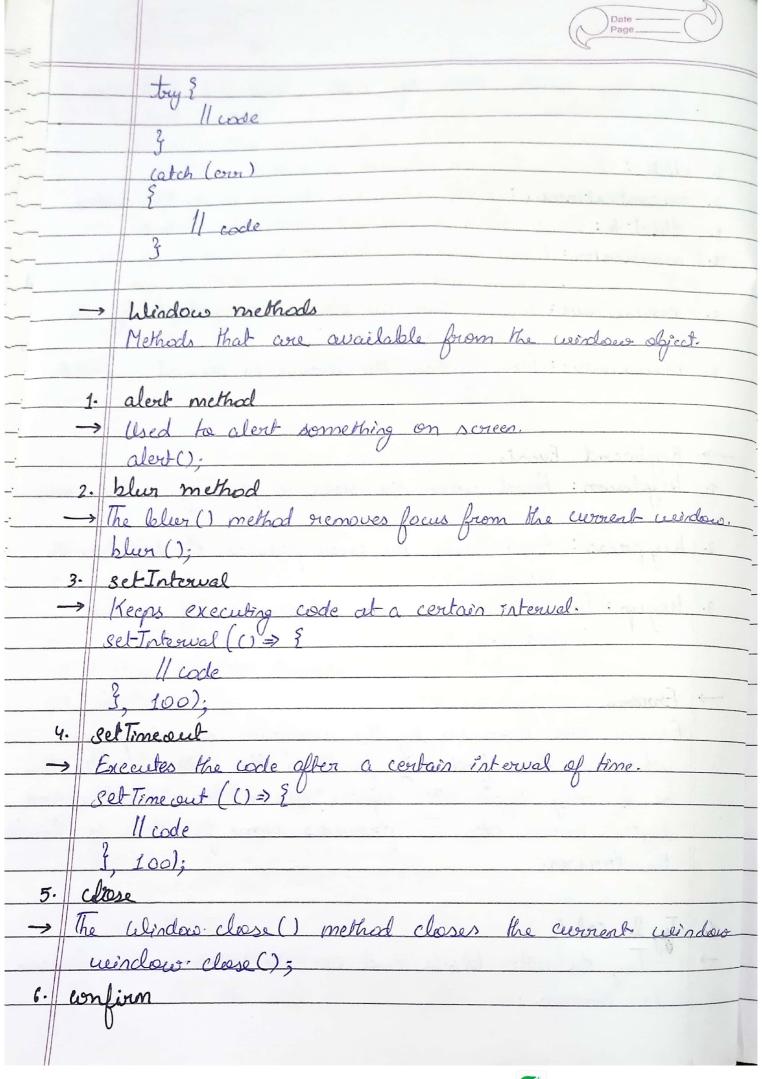
	do
	{
	11 code
	updation;
	3 while (condition);
	0.
->	Storings
	The strong is a sequence of characters that is used
	The strong is a sequence of characters that is used for strong and managing text-data.
	CharAt method
->	Returns the share he by the societies indeed
	Returns the character from the specified index. str. charAt (3).
1	concat method
	Joins trop on more storings together.
	str1. word (str2).
3.	Index of method
\rightarrow	Ketwins the index of the livest occurrence of the specified
	character from the string else -1 if not freund.
	ster. index Of ('Substri);
	match method
→	Searches a string from a match against a regular
	expension.
	Str. motch (/ Echapter Id+(1. Vd) x) /1;);
5.	replace method
\rightarrow	Searches a string for a moth against a specified string or char and returns a new string by replacing the
	or char and returns a new string by replacing the
	specified values.
	stor 1. replace (str2);
6.	search method
\rightarrow	Searches a string against a specifical value.

	Date Page
	str. search ('term');
7.	ealth method
	Splits a storing into an array consisting of substrongs.
	eler split ('In');
8.	substance method
-	Returns a substring of a string containing characters
	from the specified indices.
	etr substring (0,5);
\rightarrow	Rorays
	The covery is a collection of data items as the some
	The array is a collection of clata items as the same type. In simple terms, it is a variable that contains
	multiple values.
	Variable
>	Contriners for storing data. Var fruits = ("elements", "elements", "elements"];
	var fruits = ("elements", "elements", "elements");
	concat method
->	Joins two on more avorages together.
	concat();
3.	index of method
>	Returns the index of the specified item from the
	aroray.
	index of ();
11	
	Join method
	Converts the average elements to a Nowing.
	foin ();
5.	pop method
->	Deletes the last element of the average
	pop();
- 11	reverse method

	Dotte Page
	This method neverses the corder of the arrian elements.
7.	Sweet method
>	Sout method South the agence of
8.	to Storing method
	Converts the agency plant 1 00
	to Storing ().
9.	Value of method network the relevant Number Object bolding the value of the argument passed. Value of ();
->	neturns the nelevant Number Obsert Contin He
	value of the argument passed.
	Value Of (7;
\rightarrow	N. A. M. M.
	Number Methods.
	math and number objects provide several constant
	and methods to perform mathematical operations.
1.	to Exponential method
->	Converts a number to its exponential favor.
1	to Exponential ();
2.	to Porecision method
→	Formats a number into a specified length.
	toPrecision();
3.	to Storing method
->	Converks en object to a string.
	to String ();
4.	Value of method
→	Returns the primitive value of a number.
	value Of ();
	A Samuel Constitution of the same of the s
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	Maths method 4. pow method
1.	Cell method 4. pow method
	Rounds a num to nearest up int> Return the value of x to power;
2.	exp method 5. srandom method
>	Returns value of ex Retress nondom number
	exp(x); grandom () 11b/w 021.
3.	log method 6. sout method
->	Returns begreath nic. Value of x Returns the square rest of x
	log(x); Sget(x);
- Tolk	
->	Dates
	matterde to get and set class month seems have me
	Date Object is used to get the year, month and day. It has methods to get and set day, month, year, haver, minutes and seconds.
	and scores
1.	Pulling Date 2. Pulling Date
->	fulling Date 2. Pulling Date get Date(): Ulling Hows 4. Pulling Minutes
3. P	get Date(): Get Day(): Ulling Hows 4. Pulling Minutes
>	get-Hours (); -> get-runutes ();
5. P	ulling Hinutes Seconds 6. Pulling Time
→	get-Seconds (); —> get Time();
* 1	Ten Events
	element. add Event Listener ('event_name', 1) > ?
	11 vode
	<i>3</i>);
→ 1	louse Events
A.	are chance in the state of an object to a 1
	res change in the state of an object is referenced to as an earth. With the help of JS, you can handle events, is
	ich, with the hay of us, your con trandle events, is

	Date Page
	how any specific HTML tag will work when the user does something.
1.	click: Fined who are all interest
2.	click: Fined when an element is dicked
	on contextmence: Find when on element is night-dicked dblclick: Fixed when an element is double-dicked.
4.	mouseenter: Fired when an element is intered by the
	mouse armong.
5.	mouseleave: fixed when an element is exted by the
	mause arrays.
6.	mouse move: Gred when the mouse is moved inside the clement.
	element.
→	Receboard Events
1.	Reydown: Fixed when the user is nressing a key on
	the key board.
2.	Reydown: Fined when the user is pressing a key on the key board. Reypress: Fined when the user presses the key on the keyboard.
	Regboard.
3.	Reup: Fixed when the user releases a key on the
	Reyup: Fined when the user releases a key con the keyboard.
	Everages
	Ennons are thousand by the compiler as interpreten
	be of one type like sentax evoron, run-time evoron,
	be of one type like sentax evoian, run-time evoian,
	legical concer, etc. 05 provides some frenchions to hondle
	the corrars.
1	$T_{i} = 0$ $C_{i} = 0$
٠,١	Tory the code block and execute catch when evoces
	The code clock and execute catch when ever
	Is threewn.
U.	



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_>	The weidow confirm () instructs the bourses to display a
	dialog with an optional message, and to wait with the user cither conferms or concels.
	wer cithen conferences concels.
	ixlores. (soulizon ('Agra Canas Alexa ?').
I .	Open
	Open
	Opens a new meindons
8.	prompt ("https://athowangsinha.netlify.app");
\rightarrow	
	parameter is the default value.
	Var name = prompt (" Ester the Name", "Atharva"); Screel By
9-	Scrioll By
->	wendows. ScrollBy (100, 0);
10.	ScreellTo
->	Scrolls to the document to specified woordinates.
	weindow screel To (500, 0);
11-	CleanInterval
→	Clears the set-Interval van is the value returned by
	Deringual (all.
	clearInterval (var);
12.	clear Timeout()
->	Set Time out call.
1.1	
11	clear Timecent (van);
13-	Stop
→	Strops the further resource loading.
	Strep();
→ d	Juery Cret Elements
	Ruery (Gret Flements re lorouser creates a DOM (Document Object Model) whenever a webpage is loaded, and with the help of
Annual Commission of States	whenever a webpage is loaded, and with the help of
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HTML Dom, one can access and modely	all the elements of the
KTML document.	
1. query Selector Selector to select first matching eleme downest: query selector ("css-selector"	nt.
- A selection he select all matching eleme document query selection All ("ess-select	nos -
3. get Element By Cap Name	
document. getElementBy Top Name ("cler 4. getElementBy ClassName	nent");
Select Elements by class name: document get-Element By Class Name ("	(lass ");
5. get Element By Id	
Select Elements by its id. document.getElement Beg Id ("id");	
Creates a new elements on the DOM.	
1. Create a new element -> Create a new element	
document. Oreate Element ('spon'); 2. Create Text Node	get 2 . Et
document: create Text Node ('Text');	
accurrent. Ottale leparoure (lepa /;	They leave Fe
	C