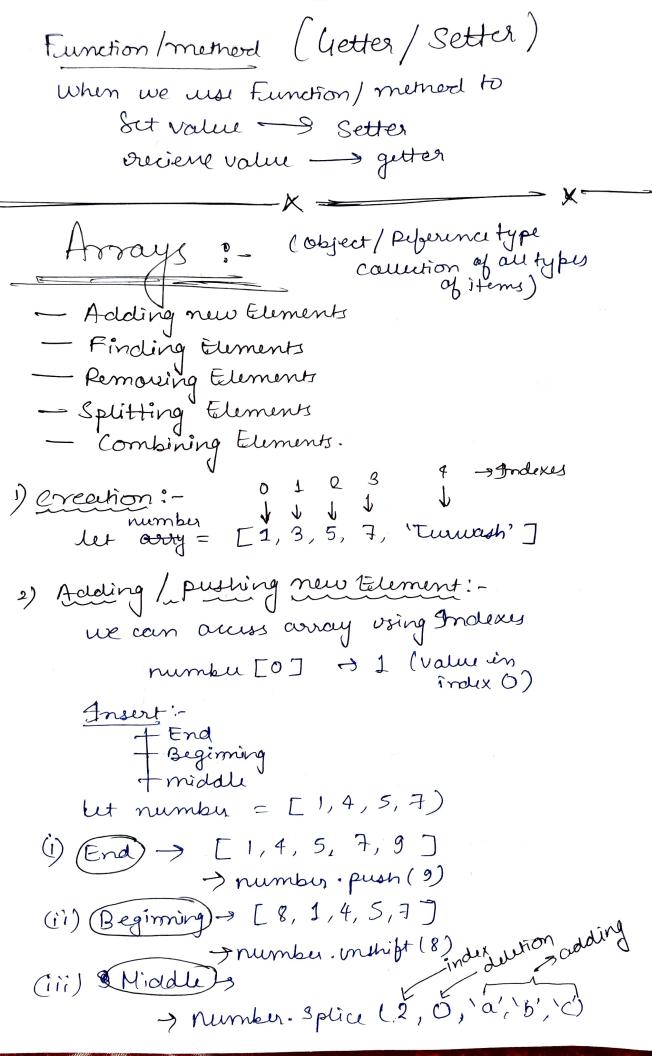


we can convert primitive String to object
using · matation-
name length, mine indudul tui)
name. StartsWith ('Tui'), name. enasturrité
(mame . to uppu (ase ()), name . to Lawer case .,
name-trim(), name. ruplace ('Tur', 'Rus');
and multiple other functions
To split:-
let message = 'This is my message';
det word = message. Split (" ").
console. Log (word),
3) Template Literal
touse single 'in String.
s slash is used these are the notations
W Ke
for new line (n)
But another alternative without
Me Use
Template literal
y Back Tick is used.
let mag = 'This is
let mog = 'This is my, message';
Same will be the
.1

also we can add variable, in bucktick using of Let msq - This is my missege, Hello & Inamez'; In a Same order & name = Turucush' will be printed. Date and Time:-Date :-Let date = new Date (). (1) let date = new Date (); clg (dati); accurrent date & Time (2) lut date 2 = new Date (June 20 1998 07:15'). elg (date2); (3) Let date3 = new Date (1998, 6, 20, 7); month date Time (hr)
Starts
from
6 is july also Change year, date 3. Set Eull Year (1947) Cly (doti3);



3) Find out Number (Searching telement)
number-indexOf (2);
-) if we want to check if a number exist in an array.
if (numbers. index Of (10)! = -1)
console. log ('present')
Good practice
To the process of
Console log (number includes (7)).
Console log(number. includes (7)). True / False (returns) Advo
numbers.index0] (4,2); Seauch Index to 4 Start
(-1) is answer when you write Indea which is not present
We have done these on primitive New on References
let courses = [
& no: 1, name: 'Love', }, & no: 2, name: 'Babbar'}
I Array of
I moray of object is object is created

In reference we cant find using index of sincludes because Searching en reference is not same as primitive. For primitive it search by value For Reference it Search by Address. we use Callback Junctions, here, Function passed into another Junction as an argument, which is then Invoked inside the outer function to complete action. Function 1 > (function beck punction Let C = Course. Find (Function (course) & -seturn. course name = = Love (dg (c); A predicati conditionto Syntax : array Name. bind function (course) predicati return course name = = Love

Arraw function Concise)
Vlet Course = course.find (course =>
(ourse name = = 'Love');
ve remaine of return
Joney when up
have I value
Single value.
no input parametu then arrew bunction
Removing Element ?- [1, 2, 3, 4]
$+$ end \rightarrow $pop()$
- Beginning -> Shift()
$+$ middle \rightarrow Splice $(3, \frac{1}{n})$
Indu
you want to delete
(5) Emptying an Array:
numbers = [1,2,3,4,5] altomatically
numbers = [] sempty, removed I
its not still its collecter then,
its not stated state then
deleted sed then,

For deliting. numbers. length = 0 I this is what we do. 60 make array empty. also number. Splice (0 number. (ength) no of element you want to delete molia while (numbers. length >0) numbers pop() Combining & Slicing Arrays: Let girst = [1,2,3];

Let Second = [4,5,6];

Using Concat() > method.

Let combined = first. concat(Second); Slicing, Using Slice () muned [1,2,[3,4,5,6] (x, λ) Elia Mis included y is excluded. Slice (2,4) to get (3, * if we give one paramety Stice (2)
Y thun from if stice () I copy of original array called as full sticing.

* Spread Operator let birst = [1,2,3] let second = [4,5,6] let combined = [...first, ... Second] also to add let combined = [... first, 'a', ... Second, b'] let another = [... Combined] * Herating an Array = loop

for of loop is on

iterably

for each also let arry = [1,2,3,4] ser (let value ex arry) s.

ly (value) per dy (number) quis (b); / Do charge pris (Do charge this condition) * Jaining Arrays num = [1, 2, 3]to join them like (1,2,3 using join () method. num = [1,2,3,4] Const Joined = num. join () elg (Tained) 1,2,3,4 Split () method Creaty an array. let meg: "This is my message"; det parts = myg. Split (" 1) (parts) ['This', 'is', 'my', 'message'] let/sained = /parts. (1-'))
cly (Sained) * Sorting Arrays y using sout () method Scort is to arrange in increasing or decreasing order by defaut ascending order.

let num = [10,50,20,60,30] num-Scrt () elg (num) [10,20,30,50,60] also reverse using num. reverse () 60,50,30,20,10] > We cant do Sort() in object like this up have to add predicate function. * Filtering Arrays:) using bilter (); (cauback function. number. Jeller (For Ave let num = [1,2,-3,-4] let beltered = num. filter (burction (value) of return value >=0 cly (biltered) T 1, 2

Output.

Mapping Arrays — map each eliment of array to Something ele Same like ASC: of array to Something else. Same like ASCII a 297 let numbers = [7, 8, 9, 10]; Samo numbers, map (bunction (value) & ['Student_no.7', 'Student_no8'... mapping with objects let num = [1,2,-3,-5] let filtered = num: filter (value => value > = 0) clg (biltered) let item = filtered. map (function (num) of let cobj = dvalue: num?; seturn obj, cig (item) [& value: 14, & value: 24]