DAY-27: (1) Find duplicated (*tonly for elements in range) [with our time and o(1) space] absolute value and if the abs (array [i]) the element
is positive., 'tio element has not encountered before, Clase if hegative the element had been encountered before parint the absolute value of current element. code!
Jef findaduplicate:
Jefor ! in range (0, lanker): if arr [abd(arruj]) >=0: - arr [alx (arrij]] print (abs Arr[i]), dent=1)

20. Find mossing Mumber - given list of n-1 integers.
- Tin range of 1 to n, Algoritan: > Calculate the sum of first in natural numbers as Sumtotal = nx(n+1)/2 · -> Create a variable Sam to store the sum of array clerk. -) Traverse thre larray. -) Updake the value of sun as sum = sum + array []] enicement me missing mules I as sum total -sum Implementation: det missing Num (arr): n= lex (arr) total = (n+1) * (n+2) /2 sum of arr 5 sum (arr) geturn tatal - sum-of-arr

(B) Array Kotation: -* function to votate (arrej, d,n)
that rotates arres of size n
by d elements. with, O(n) time and O(d) paper Simple Approach Using temp Array: -> Store rue first & elements Judt append temp with me redt of a original one arr = ['p'; ['h', 'a', 'c', h', 'u'] d= 3 temp = ['p', 'i', 'k'] result = [a', c', k', u'] result append (temp).