T, 1, 5, 3, 6, 2 day, day, day, day, day, day, s max = 100

O To get maximum Profit, try to sell at higher value (after buying) and brey at lower value. So iterate through the array from left to right and use 2 variables, first to store buying price and other to store Phofit.

int (buy) = arr [o]; ind propt = 0 j (or (inti= l; i < h; i++) dif (arr Ci] < buy) Luy = arr Ci]; else if (arr [i] - buy > profit) Profit = arci] - buy,

O whenever problems asks you to find maximum value in an array, We Ist maxi = INT-MIN for ivitialization.

n) means Sum + = Sum = Sum + m

O subarray is a contiguous array elements present in on array. [1, n]
eg:- [20,30,40,50,15,25,85] (20, 30, 50) (20, 85)

O Hash Map! - It is a data Structure which is used to store key-value paix map ("IPL") = Si Key value map [50] = 10; Integer value

(b) 25, 10,5, 10,5, targetsum = 33 1,4,20 aux-sum = computis current sum 2015 (1) Dillindex 1. 28-33 (who-sum = 38) map (25) = 2 map [curr-sum] = 1 map (28] = 3 map (38 = 4 map (43)=5 map (5) = 1) +1

5, 3, 10, 15, 5 farget Sum = 30 map(curs - t.5)=intex index end - S. Lart (1) = = 3

map (1)=6

0 ar = (18), 5, (8), (9), (18), (13), (13)

h = 9