1. Have two array,

Arr1 = [6,23,56,78];

Arr2 = [5,12,43,63,74,98, empty,empty,empty,empty]

Where the Arr1 can be accommodated in Arr2, and when you accommodate the obtained array should be in sorted order.

Output: [5,6,12,23,43,56,63,74,78,98].

Solution:

Step1: start comparing from last values of arrays,

i.e (98 > 78) == true;

Step 2: The number which is greater put that to last index.

[5,12,43,63,74, empty, empty,empty,empty, 98].

Step 3: continue this procedure for all number and you will get the result.

1. Given an DOB and Present date should return the Age of the person till date.

Example:

Input: Present Date “20 08 2018”

DOB “25 11 2017”

Output: 0years 8 months 25 days.

NOTE: You will get this value into your function as 6 different parameters. Should not use any Date object.

function(dd, ppD, mm, ppM, yy, ppY){

return ‘0years 8 months 25 days’;

}

Solution:

20 08 2018. ppD ppM ppY

- 25 11 2017. dd. mm yy

Step 1: Start from days,

When you can’t subtract i.e ( ppD - dd), borrow 1 from month.

i.e equal to 30 days.

Step 2: now add ((20 + 30) – 25 )= 25 days.

Step 3: subtract months (07 - 11)

NOTE : Now month had become 7 as we borrowed 1 month for days.

Again: 11 cannot be subtracted by 7, so borrow ‘1’ from year.

i.e equal to 12 months.

Step 4: ((7+12) - 11) = 8 months.

Step 5: (2017 -2017) = 0 years.

Step 6: Thus, obtained the result ‘0years 8 months 25 days’.

1. Given an infinite array which is sorted but doesn’t know the length of the array, how do you find the given Number index in this array.

Example: const myArr = [2,4,5, ………………..,45,46,……….., 78,79,………..infinite]

Input: 78

Output: index of 78 is 76

Solution: