Q5 Move all the negative elements to the end. Also order of positive & negative elements should not change

> i/b -> {1, -1, 3, 2, -7, -5, 11, 69 0/b + 21,3,2,11,6,-1,-7,-53

In this we can create a temporary array & then we have to follow 3 steps.

- 1) Push the positive elements Ist in the temp
- 2) Then push the negative elements in the temp

femb + E1,3,2,11,6,-1,-7,-55

3) Copy the values from temp array to the original array.

Dry run

temp - {13 - 1 - 1 - 2 11 s & 13 - dms

temp -> 2113-1-1-10 11 5 Ell3 (day

temp - { 51, 33 - 40 + 2 1111 and on on

tive elements. Now the tembers temp > {1,3,23

temb-1 {1,3,23

association 1, 3, 2, 11, 6, -1, -7, -53 temb -> {1,3,23

temb + {1,3,2,113

temp -> {1,3,2,11,63

We are done with step-1 i.e copying positive elements in the temp averay.

temb -1 {1,3,2,11,63

temp - {1,3,2,11,6,-13

temb + {1,3,2,11,6,-13

4) i=3 ni stromole sydopen ent de

temb - {1,3,2,11,6,-13

temb + 21,3,2,11,6,-1,-73

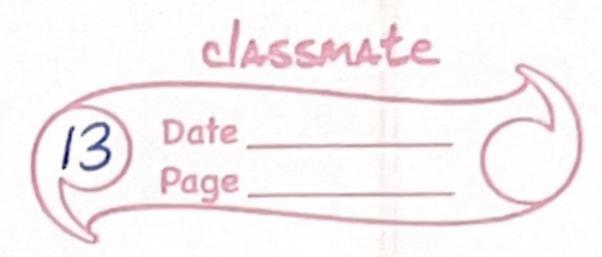
temp + {1,3,2,11,6,-1,-7,-53

temp-1{1,3,2,11,6,-1,-7,-53

temp + {1,3,2,11,6,-1,-7,-5}

We are done with step-2 i.e copying the negative elements. Now the temp array is the answer 4 hence just copy it to original

avr + {1,3,2,11,6,-1,-7,-53



```
Void Seg Elements (vector <int> 4 avor) {
     Vector < int > tembi
    for (int i = 0 ; i < am. size () ; i++) {
             1/Step-1 (Push + ve elements)
             if (arr [i] >=0) {
               temp. bush-back (avor [i])
   for (int i = 0; i < avr. size(); i++) {
           1/Step-2 (Push-ve elements)
           if (arr [i] <0) {
            temp. push_back (avr [i])
 1/Step-3 Copy temp to original array
 for (int i=0; i< temp. size (); i++) {
        our [i] = temp[ij]
Time complexity = 0(n)
Space complexity = 0(n)
```