```
Lec-9
 17/06/25
          12:36 PM
    [ 5, 3, 1, 2, 7, 4, 1, 6]
                                                                                                                        (N)
                                                                                                                                       6
             [ 5, 3, 1, 2, 7, 4, 1, 6]
                                                                                                               ¡Zavilera (++) L
 Left
                                                                                              sum += (mincleffci), nish(ci)) -avrki)
                                                                                             pozci=0
 Rist
            min CLCODI R CODJ - arr (0) = min (S/7) -5=0
     i=1 min (LCDIRCD) - arr()= min(Si3)-3=2
      1=2 min (LC2) (RC2) - ar(2)= min(5/7)-1=4
       i=3 \min(LC3)iRC3) - amC3) = \min(Si7)-2=3
       1=4 min (T(n) - 4+(n) - min (319)-1=0
         i=5 mm ( ((5)) (R(5)) -am(5) = mn(7/6) -4=2
         1=6 min (LCG) 1RC6) - arrc6) = min(7/6)-1=5
            i=7 min (L(3) 18(4) - ar(7) = -min (76)-6)=6
                                                                                                                            () Left co) = arr [o]
                                                                                                        7 7 Leftci)= max cleft(0) AT(1)]
         01234567
     [ 5, 3, 1, 2, 7, 4, 4, 6)
                                                                                                                 i=2 Left(2)=max(Left(1) ATY(2))
                                                                                                              1=> Lef+(3)= max (Lef+(2),a)7(3)
                                                                         1=1 120x15-
                                                                                                                     Left (4) = max [Left(3), ar (4)
                                                                    Love (i)=max (vol (i-1) Kr(i)
                                                        Puzci=ng 12=0 1--> (i=+ lon-cs)=max(lon(s), erc(s))

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| i=+ lon-cs)=max(lon(s), erc(s)|
      R(n-1)=an(n-1)
i=6 RC6) = max(RC7), (TC6)
1=+ R(T)= mx (R(6), ar(5)
1=4 ROW- MAX (R(S) (G) (G) (4)
Given an integer array nums, return an array answer such that answer[i] is
             equal to the product of all the elements of nums except nums [i].
             The product of any prefix or suffix of nums is guaranteed to fit in a 32-bit
             integer.
                                                                                                                                                 2477446=147
              You must write an algorithm that runs in O(n) time and without using the
             division operation.
                                                                                                         48
                                                                                                                  36
                                                                                                                                        Lev (a) =
                                                                                                                                L C1) = L(0) x417 (0)
                0
                                                                                                                                L(2)= L c1) * amc1)
                R(1) = R(3) \times 4 \times (3)
                                                                                                                                 L(7)= L(3) X48(3]
                                                                   L (0) x R (0) = 72
                PC1) = PCD Xast (2)
                  R Ci)= RCixI) Xo Yo Yo Yo
                                                                    1017 XR(1) = 48
                                                                                                                                 Lci)= LEi-1] xarcii)
                                                                     Le2) x R (1) = 36
                                                                     L (3) XR(3) = 29
                                                                      Sobting
                                           (I)
                                                                                                            Soletin sol
Josetin sol
                                          bubble
                                                             [4,5,3,2,1]
32145
12345
23145
                                                                                                             3 45
                                                                                                                                       airciJ Jaircith)
                            43215
                public static void Sort(int[] arr) {
                           for (int turn = 1; turn < arr.length; turn++) {</pre>
                                for (int i = 0; i < i++) {
                                      if(arr[i]>arr[i+1]) {
                                                                                                                                                     3 2145
                                                                                                   [4,5,3,2,1]
                                            int temp=arr[i];
                                            arr[i]=arr[i+1];
                                                                           (I)
                                            arr[i+1]=temp;
                                                                                                                                               ו־ן
                           }
                      int[] arr = { 4, -1, |5, 3, 2, 1, 7 };

o 1 2 3 4 5 6
                                                                                      forciziaxti izar.lem itt)?
                                                                                                   i & carrei) { arremini)} {
                                                                                                J minizi
                                                                                                                        2 Lang
                           public static void main(String[] args) {
                                      // TODO Auto-generated method stub
                                       int[] arr = { 4, -1, 5, 3, 2, 1, 7 };
                                      // System.out.println(min_form_ith_index(arr, 2));
                                      Sort(arr);
                                      for (int i = 0; i < arr.length; i++) {</pre>
                                            System.out.print(arr[i] + " ");
                                       }
                                 }
                                                                                                                                        1201
                                                                                                              4 56
                                                                                                   2
                                                                   (0,1)
                                                                                                                                        1211
                                                                   (111)
                                                                                                                                          j=2
                                                                                                                                            1=3
                                                                     312
                                                                    41
```