Sesi2

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1 Sesi 2 - 210411100085

```python
[41]: def bubbleSort(nums) :
          print("\n\nData Awal = ",nums)
          no = 1
          for i in range (len(nums)-1,0,-1):

              no2 = 1
              print("\nIterasi utama ke-",no," = ",nums)
              for j in range(len(nums)-1,len(nums)-i-1,-1) :

                  if nums[j] > nums[j-1] :
                      nums[j],nums[j-1] = nums[j-1],nums[j]
                  print("#%d : data[%d,%d] = %d dan %d -> %s " %␣
      ↪(no2,j,j-1,nums[j-1],nums[j],nums) )

                  no2+=1
              no+=1

          return nums

      lstNums = [1,12,50,75,83,126]
      print("\n\nData Terurut = ",bubbleSort(lstNums))
```

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Data Awal =  [1, 12, 50, 75, 83, 126]

Iterasi utama ke- 1  =  [1, 12, 50, 75, 83, 126]
#1 : data[5,4] = 126 dan 83 -> [1, 12, 50, 75, 126, 83]
#2 : data[4,3] = 126 dan 75 -> [1, 12, 50, 126, 75, 83]
#3 : data[3,2] = 126 dan 50 -> [1, 12, 126, 50, 75, 83]
#4 : data[2,1] = 126 dan 12 -> [1, 126, 12, 50, 75, 83]
#5 : data[1,0] = 126 dan 1 -> [126, 1, 12, 50, 75, 83]

Iterasi utama ke- 2  =  [126, 1, 12, 50, 75, 83]
#1 : data[5,4] = 83 dan 75 -> [126, 1, 12, 50, 83, 75]
#2 : data[4,3] = 83 dan 50 -> [126, 1, 12, 83, 50, 75]
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#3 : data[3,2] = 83 dan 12 -> [126, 1, 83, 12, 50, 75]
#4 : data[2,1] = 83 dan 1 -> [126, 83, 1, 12, 50, 75]

Iterasi utama ke- 3  =  [126, 83, 1, 12, 50, 75]
#1 : data[5,4] = 75 dan 50 -> [126, 83, 1, 12, 75, 50]
#2 : data[4,3] = 75 dan 12 -> [126, 83, 1, 75, 12, 50]
#3 : data[3,2] = 75 dan 1 -> [126, 83, 75, 1, 12, 50]

Iterasi utama ke- 4  =  [126, 83, 75, 1, 12, 50]
#1 : data[5,4] = 50 dan 12 -> [126, 83, 75, 1, 50, 12]
#2 : data[4,3] = 50 dan 1 -> [126, 83, 75, 50, 1, 12]

Iterasi utama ke- 5  =  [126, 83, 75, 50, 1, 12]
#1 : data[5,4] = 12 dan 1 -> [126, 83, 75, 50, 12, 1]


Data Terurut =  [126, 83, 75, 50, 12, 1]
```

[ ]: