Algorithm and Structure Data



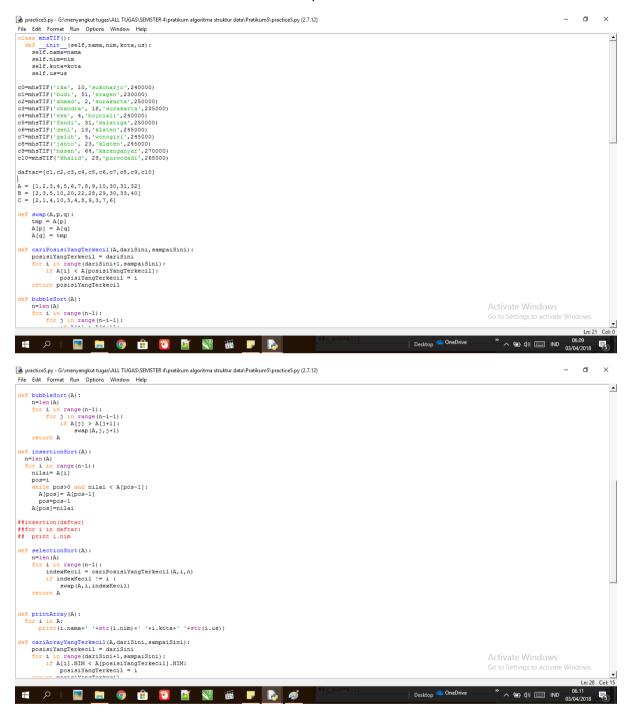
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ASD_MODULKE5_X_L200164008

ASD_MODULKE5_X_L200164008

Input



ASD_MODULKE5_X_L200164008

```
🎲 *practice5.py - G:\menyangkut tugas\ALL TUGAS\SEMSTER 4\pratikum algoritma struktur data\Pratikum5\practice5.py (2.7.12)*
                                                                                                                                                                                                                                                                                                                                                                                                                        - 🗇 ×
  File Edit Format Run Options Window Help
 def cariArrayYangTerkecil(A, dariSini, sampaiSini):
   posisiYangTerkecil = dariSini
   for i in range(dariSini+1, sampaiSini):
        if A[i].NIM < A[posisiYangTerkecil].NIM:
            posisiYangTerkecil = 1
   return posisiYangTerkecil</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
  def sortArray(A):
    n=len(A)
    for i in range(n-1):
        indexRecil = cariArrayYangTerkecil(A,i,n)
        if indexRecil!= i :
        swap(A,i,indexRecil)
    return A
   def ArrayJoiner(A,B):
    mergedList=A+B
    mergedList=selectionSort(mergedList)
    return mergedList
  print (A) : print (B)
  k = range(1,6001)
  shuffle(k)
  aw=time();bubbleSort(u_bub);ak=time();print("bubble: %g detik"%(ak-aw));
aw=time();selectionSort(u_sel);ak=time();print("selection: %g detik"%(ak-aw));
aw=time();insertionSort(u_ins);ak=time();print("sinsertion: %g detik"%(ak-aw));
                                                                                                                                                                                                                                                                                                                                                                      ** へ 知 (4)) | IND | 06.11 | 03/04/2018 |
  Output
>>> sortArray(daftar)
[< main _.mhsTIF instance at 0x03874580>, < main _.mhsTIF instance at 0x038774620>, < main _.mhsTIF instance at 0x0387778F0>, < main _.mhsTIF instance at 0x038774580>, < main _.mhsTIF instance at 0x038778F0>, < main _.mh
[1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 30, 31, 32]
[2, 3, 5, 10, 20, 22, 28, 29, 30, 33, 40]
  >>> ArrayJoiner(A,B)
  [1, 2, 2, 3, 3, 4, 5, 5, 6, 7, 8, 9, 10, 10, 20, 22, 28, 29, 30, 30, 31, 32, 33, 40]
 >>>
                                                                        [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 30, 31, 32]
                                                                       [2, 3, 5, 10, 20, 22, 28, 29, 30, 33, 40]
                                                                       bubble: 7.744 detik
                                                                       selection: 2.724 detik
                                                                       insertion: 2.336 detik
                                                                       >>>
```