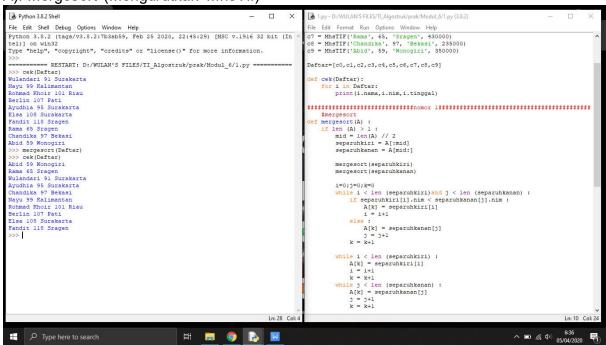
Nama: Wulandari Ratna Kartika Jayawardani

Nim : L200180091

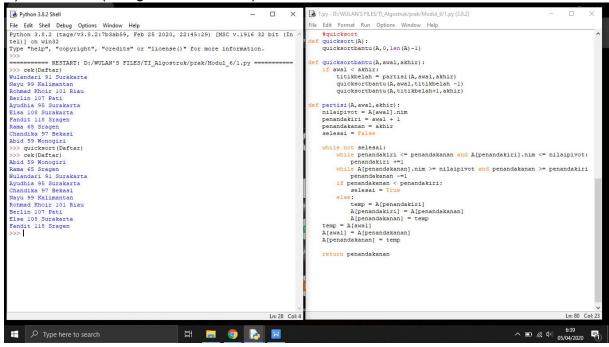
Kelas: D

Modul 6

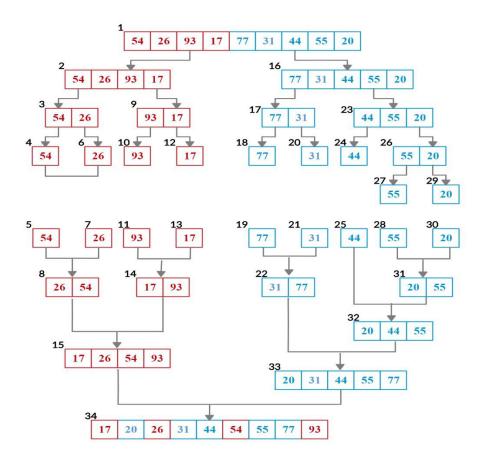
1. A). Mergesort (Mengurutkan MhsTif)



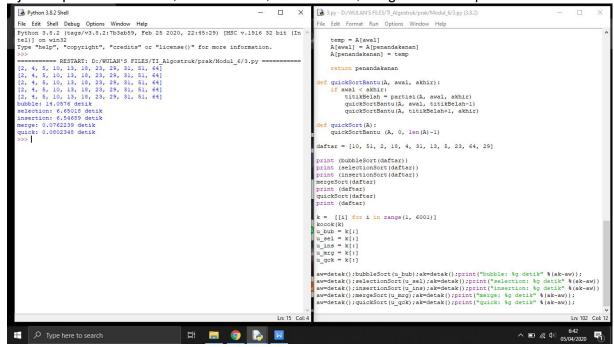
B). Quicksort (Mengurutkan MhsTif)



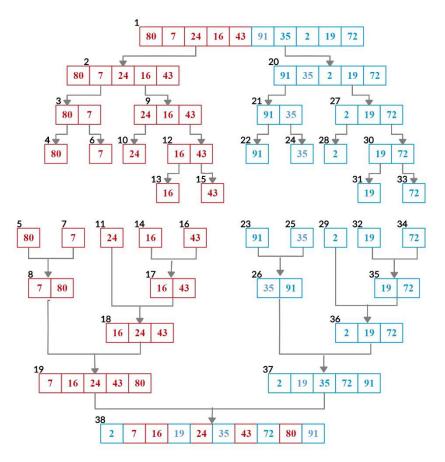
2. Beri nomer urut eksekusi proses gambar 6.1 dan 6.2 mengacu pada output di halaman 59



3. Uji kecepatan bublesort, selectionsort, insertionsort, mergesort dan quicksort



4. A. diberikan List = [80,7,24,16,43,91,35,2,19,72] ,gambarlah trace pengurutan algoritmanya (Merge sort)



4. B. diberikan List = [80,7,24,16,43,91,35,2,19,72] ,gambarlah trace pengurutan algoritmanya (quickSort)

80	7	24	16	43	91	35	2	19	72
	I	ı	1	ı	I	ı	I	ı	ı
pivot									
pivot									
	7	24	16	43	91	35	2	19	72
80 Low	7	24	16	43	91	35	2	19	72

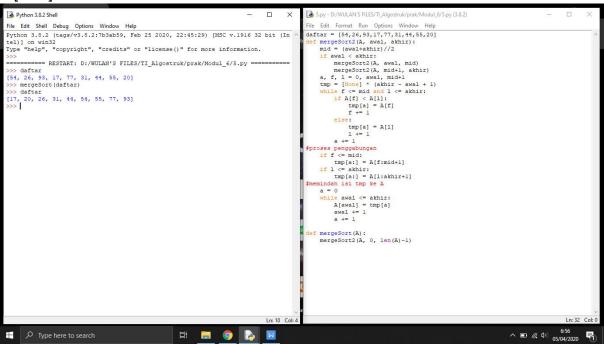
									_pivot
72	7	24	16	43	91	35	2	19	80
Low									High

								ŗ	oivot
72	7	24	16	43	91	35	2	19	80
					Low				High

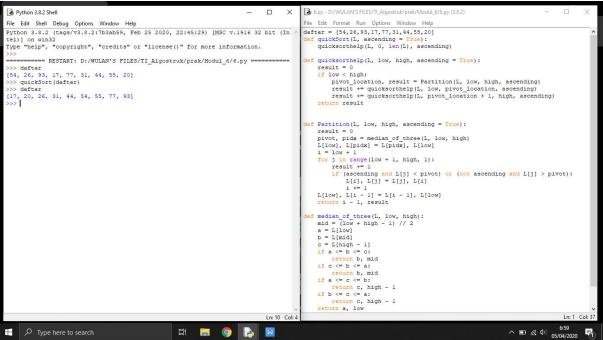
					pivot				
72	7	24	16	43	80	35	2	19	91
					Low				High
72	1 -	1 24	1.6	12	10	7 25	1 2	pivot	1 04
72	7	24	16	43	19	35	2	80	91
					Low			High	
pivot									
72	7	24	16	43	19	35	2	80	91
Low	<u> </u>				1	1	High		
							J		
							pivot		
2	7	24	16	43	19	35	72	80	91
Low							High		
pivot		1		1				1	
2	7	24	16	43	19	35	72	80	91
Low						High			
	pivot	0.4	40	40	1 40	0.5	70	1 00	04
2	7	24	16	43	19	35 Ligh	72	80	91
	Low					High			
		pivot							
2	7	24	16	43	19	35	72	80	91
		Low	10	10	10	High	12		01
						٠٠٠٠			
		pivot							
2	7	24	16	43	19	35	72	80	91
		Low			High		1		
					-				

					pivot				
2	7	19	16	43	24	35	72	80	91
'		Low			High				
					pivot				
2	7	19	16	43	24	35	72	80	91
				Low	High				
				pivot					
2	7	19	16	24	43	35	72	80	91
				Low	High				
		pivot							
2	7	19	16	24	43	35	72	80	91
2	7	19	16 High	24	43	35	72	80	91
2	7	19		24	43	35	72	80	91
2	7	19		24	43	35	72	80	91
		19 Low		24 pivot		35		80	91
2	7	19			35	35	72 72	80	91
		19 Low	High	pivot					
		19 Low	High	pivot 24	35				
		19 Low	High	pivot 24	35				
		19 Low	High	pivot 24	35				
		19 Low	High	pivot 24	35				

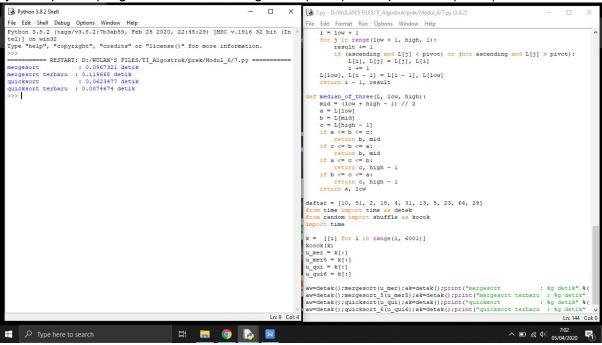
5. Tingkatkan efisien mergesort dengan tidak memakai operator A[:mid] dan A [mid:]



6. quicksort dengan memakai metode median-dari-tiga



7. uji kecepatan program nmr 5, 6 ,mergesort (awal) dan quicksort (akhir)



8. versi linked list mergesort

