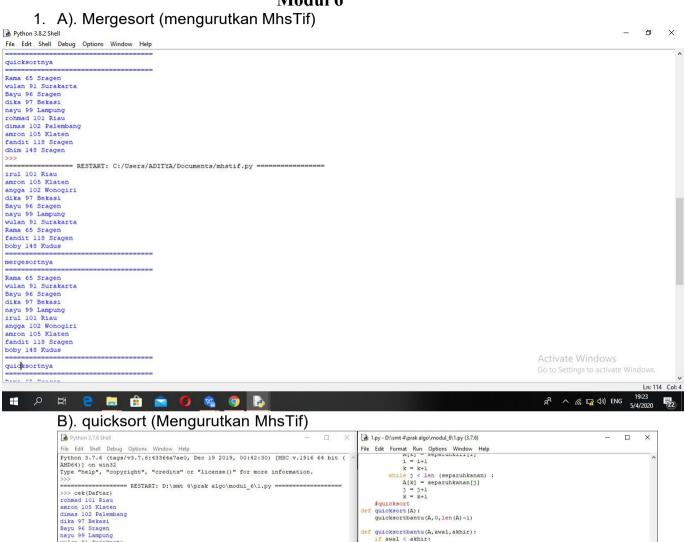
Nama : Dimas Kharismawan

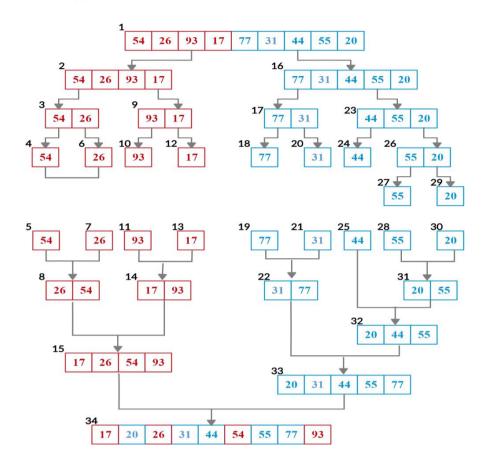
Nim: L200180102

Kelas : D Prak-ASD

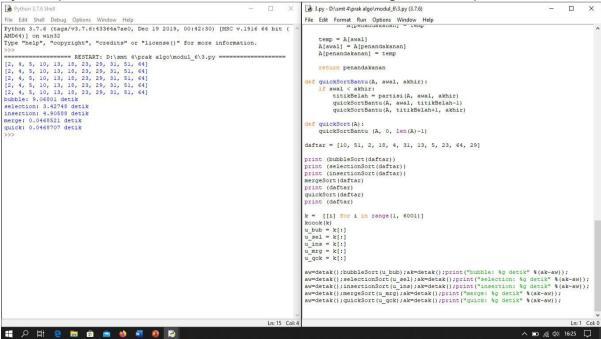
Modul 6



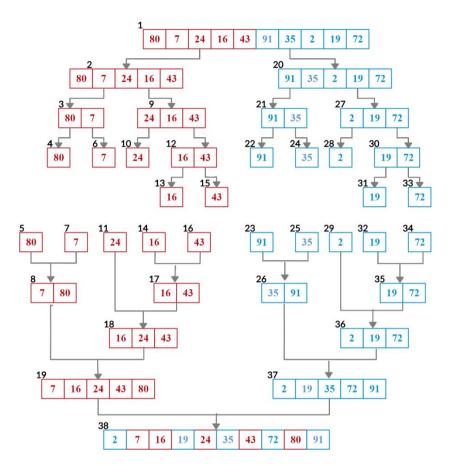
2. Beri nomer urut eksekusi proses gambar 6.1 dan 6.2 mengacu pada output di halaman 59



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

Low

pivot

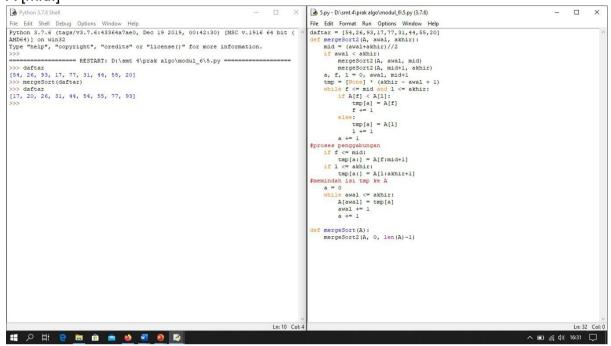
High

pivot

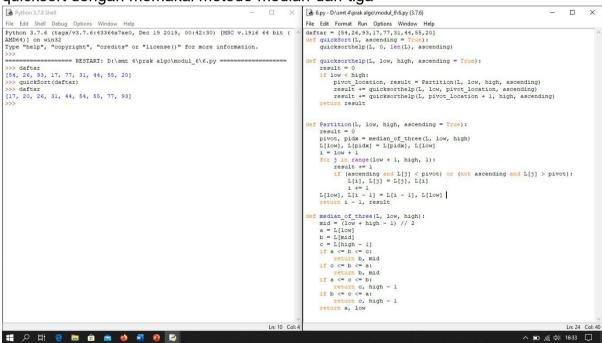
					<i>F</i>				
72	7	24	16	43	8	35	2	1 9	9 1
	·				Low	•	•	·	High
							J	pivot	
72	7	24	17	17	1	7.5	T 2		0
72	7	24	16	43	1 9	35	2	8	9 1
				I	Low			High	
pivot									
72	7	24	16	43	19	35	2	80	91
Low							High		
							pivot		
2	7	24	16	43	19	35	72	80	91
Low							High		
2	7	24	16	43	19	35	72	80	91
Low	pivot					High			
2	7	24	16	43	19	35	72	80	91
	Low	pivot				High			
2	7	24	16	43	19	35	72	80	91
	1	Low	<u> </u>	<u>. </u>	1	High		1	
		pivot							
2	7	24	16	43	19	35	72	80	91
		Low			High				

					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
		pivot		Low	High				
	T =		10	0.4	10	05	70	00	04
2	7	19 Low	16	24	43	35	72	80	91
			High	pivot					
2	7	16	19	24	35	43	72	80	91
				Low	High				
2	7	16	19	24	35	43	72	80	91

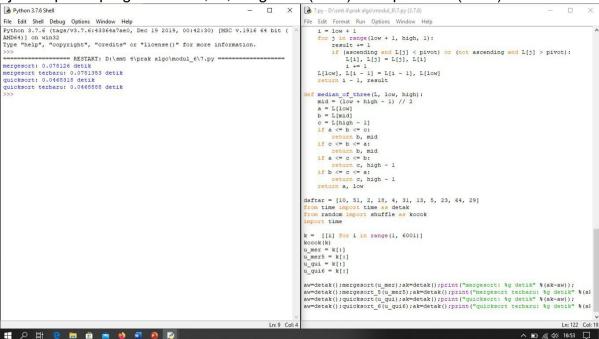
5. Tingkatkan efisien mergesort dengan tidak memakai operator A[:mid] dan A [mid:]



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

