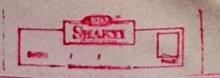
Nilesh D. Rothod 46(B) FSDP

## Assignment No. 2



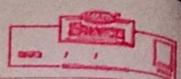
1) Use replacement selection to produce sorted runs from the following file. Assume P=3
33 18 24 38 14 17 721 67 12 547 16 & fornt string

3018	-
The state of the s	Domainin

Remaining in pat	Memos	outputpoun (A)
33,18,245814177216712	5 47 16	- 1
33.1824 58 147772167	12 97 16	5
33,18,24,58,14,17,7,21	67 47 16	12,5
183,18,24,58,14,17,7	67 4721	16,12,5
133,18,24,58,14,17	6747(7)	,21,16,2,5
33,18,24,158,Ki, 177	G+(I7)(7)	
33,18,24,58		67,47,21,16,2,5

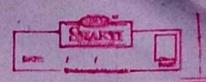
Remains First Run complete's Statet building second

		And the second s	
	Remaining input	Memory	Output Run (B).
1	83, 18, 24, 58	14177	
	33,18,24	191758	7
	33,18,	2417 58	14,7
	The second secon	2418,58	17/14/7
	-	24,33,58	18,17,16,17
		- 3358	24,18,17,1217
	-	58	33,24,18,17,14,7
	-		58,33,24,18,17,19,7
ı		the state of the s	

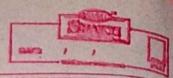


02	Shou	showing all the exeps construct the following list of unsorted keys using heap building &		
801.8-	heat	heap costing 922 62572 1014 315		
New ken		Heap after intersion of new key	selected heps in the tree	
8		9	0	
22		922	(9)	
6		· 8 92·22	<b>2</b>	
25		692225		
			(3)	
7		6972225	6	
			030	

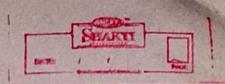
-



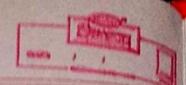
New key to be insepted	Heap after interstion of new key	selected heaps in the tree
2	2 22 6 92 22 9	<b>Q</b>
10		(S)(A) (Y)
	2762522910	
		(D) (D) (D)
14	276142291025	<u> </u>
		R
		(A) (D) (D)
3	2367221919192	0
		\$ 6
		200
		1900
15	236715910 K 2522	



		av; , ,		
93.	Show 1167 (	Showing all the steps construct the foom following list or unsorted keys using heap building and heap exorting and HIBEA		
-80108-				
- New key	to	Heaperos interstion	selected heap in to	
beinse	pted	Heapthon introstion of the new key	Foom OFFE	
•				
F		F	(F)	
D				
D		FO	(P)	-
c		CFD	6)	
		CID		
			(F) (D)	
G		CFDG	6	
			60	
			<u>a</u> .	3
11			6	
1-1		CEDUH		
			0 0	
			GA I	7
I		CFDGHI		
			66	
			GAA.	



T		
New Key to	the benefit the testion	selected Heap in
pe indexted	of the new toy	the tree
1		
B	BECGHID	®
		00
		X X
+		
E	BECFHIDO	(B)
		R R
		0000
A	1000	
	ABCEHIDOF	A
		6
		AAA
		GA



Showing all the steps construct the foom following list of coscord trys using beap building and beap sating 6 25 7 2 19 10 9 22 3 15

-	.	-		
-	New ke	de yo	Heaparks incretion	selected heaps in
		0110	of the pero key	the tree
	6		6	6
	25		6.25	6
	d		6 25 7	
				(S) (D)
	2		26705	Q
				60
	14		2672514	(3)
			2012314	Ø A
				65(9)
	10		267 to 14 05 KID	
				300



	-			CONTRACTOR OF THE PROPERTY OF
	pe ine	ested.	beheap after insertion	seleted recibe in
	g		2,6,7,25,14,10,9	9
	22		2,617,22,19110,9125	6
				63000
	3		2,8,7,6,14,10,9,25,22	6
				630
	15		2,6,7,6,14,10,19,25,22,15	0
1				3
				6 9 10 0
-				