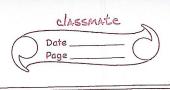
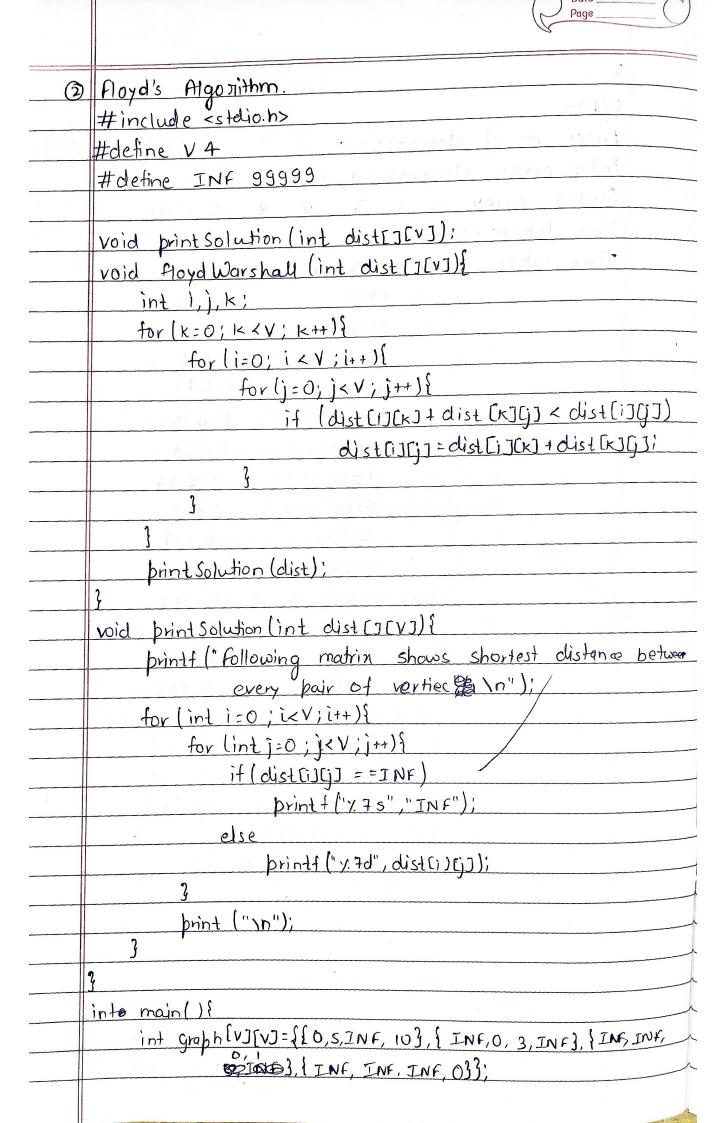
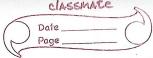
	Date
	Page
1	

	Date Page
20/6/23	
	LAB-8
	William Provide This report of the United States and the Commentation
	Heap Sont.
	void swap (int to ;int b)
	int temp = 'a;
	*q = *b;
	th = temp;
	3
	void heapify (int arr [], int N, int i) {
	int largest = 1; should a - (1 day as the factor)
	int left = 2 * i + 1;
714 1-41	int right = 2*i+2;
	if (left < N 1k arr (left] >arr (largest))
	largest = left;
22	if (right < NLL arr [right] > arr (largest))
	largest = right;
	if (lagest 1=i)f
	swap (kan (i), Larr [largest]);
	heapity (arr, N, largest);
	J
	3
	void heap Sort (int arr[], int N) {
	for (int i= N/2-1; i>=0; i)
	heapify (arr, N,i);
	for (int i= N-1; i>0; i){
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	swap (Larr Co), Larr Cis);
	heapify (air, i, o);
	}
	]
	int main() {
	printf ("In Enter no. of elements");
	sant ("Y.d", kn);
	printf ("Enter array elements");
	for (i = 0, i <n; ('y.d'',="" daij);<="" i+)"="" sanf="" th=""></n;>
	sant ("Y.d", 1 aGJ);



	3.	man Alama Alama (Alama)
	OIP	:- (0) (3)
	Ent	er no. of elements = 5 3 0 1 3 4 5 10
	Ente	er array elements = 4 10 5 31
	Sort	led array is: 1 3 \$ 4 5 10
	Time	e taken = 0.000 sec.
	Tim	e taken to sort 500 no is 0.000
		1500 6.015
		2500 0.016
		3500 0.016
		4500 6.047
		0.078
17.4		<u> </u>
-		7500 0.8124
		8500 0.188
	A CONTRACTOR OF THE CONTRACTOR	9500 0.234
		10500 300 00 266
<u>.</u>		11500 0.312
1		12500 0:315
	ost ii.	13500 0.407
		14500 0.468.
		(,,300)
	057	
	0.95	
1	0.4	144.832.2 (19.03.20.2.1.3)
6	0.35	Miseria & Fixing transf
V	0.3	
78	0.25	i com a sinch shared a same
2	0. 2	
-		(Carr) balas
	0.15	
	0.05	Maint ald
4.6	0	5000 10000 15000 2000
		N Value ->





						3		
	floye	Warsho	ell (gral	oh);				
	retu	n 0;	0 1	11				
} .					nothing P	2 / 16		
O/ P: -						1479,13	4	
Follo	wing	matrin	shows	shortest	distance	p/w	every	pai
		ices:					**************************************	
		8		1-14		<u> </u>	Traci	
		3	1		141 2 74/7%	- 191	14 1	
		0	)	HV Mass	7 . 3 . 4			
INF	THE	INF	0					
-			ini, ajai	The state of				
- NO	G			1.096	11.0000 0	1		
					1		1 1	
	W 1 14							
				ar Apisai	4/ spt 19			
				<u> </u>	<u> biolikad</u>			
						1113	6.34	
					<u>vi mad</u>	1 191		
					<u>California</u>	<u> </u>	+	
					si (Osi h	O rok		
			ts ( Iz xx	Zari.	at ith w			
			**	8		alybo		
						13 123		
	Van a	a Draw II	- 4 - 4 -	<i>1</i> 6163	Francis Fr			
		1/1-30	i john till e	M) was	imi iu di	¥ i		
					[10] 44242			
				s va si v i	3 - 1 - 1 a 1 -			
							× :	
		<u>FygHaZy</u>						
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		<u> </u>	1					