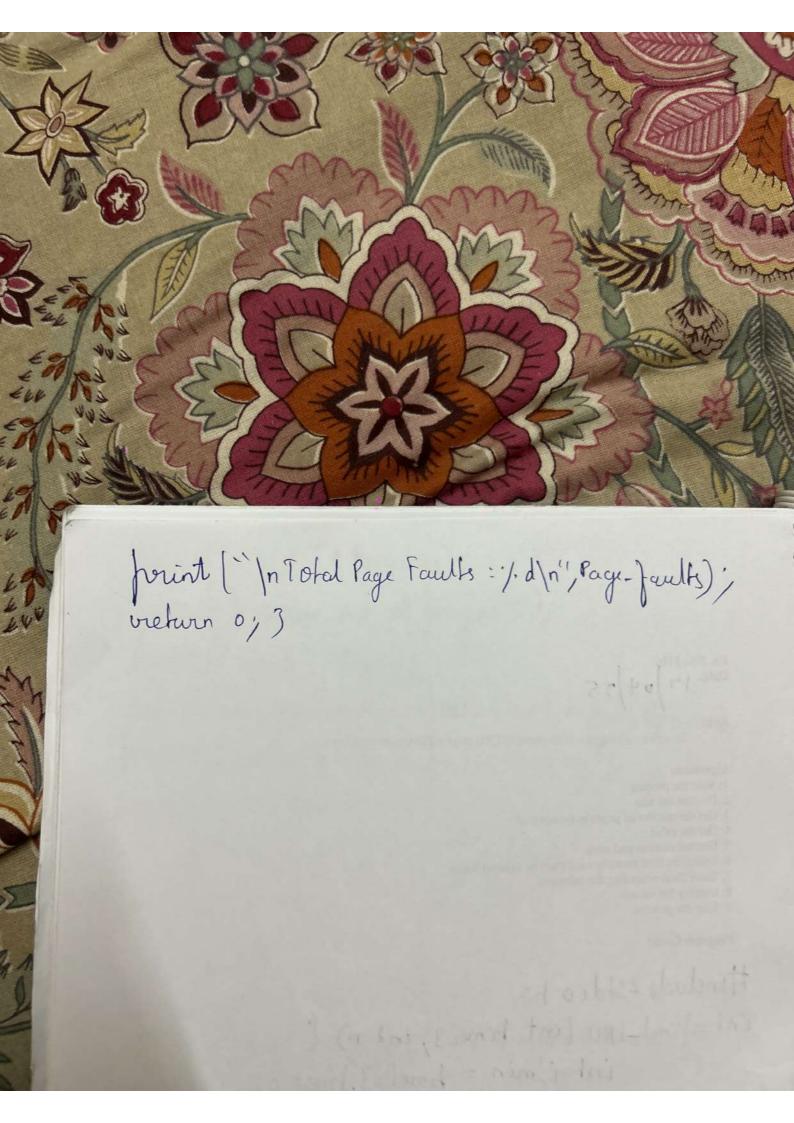
the forest ofter their not lose ? of I do Ex. No.: 11b) Date: 17 04/25 Aim: To write a c program to implement LRU page replacement algorithm. Algorithm: 1: Start the process 2: Declare the size 3: Get the number of pages to be inserted 4: Get the value 5: Declare counter and stack 6: Select the least recently used page by counter value 7: Stack them according the selection. 8: Display the values 9: Stop the process **Program Code:** Hindude estdio hs int find LRU (int timel3, int n) ( int i, min = time [0], pros= 0; for [i=1; icn;++i) { i) [fime Ei] < min ) { min +=+ time [i3; hos=i/ vieturn pos; Ent mais 1) ? int Frames, hages, i, j, wunter= o, Hage, Hage, hage-touts=0, 1/2

print [ Enter the no of Forames: ");

Scansi'/d", & Forames); print[["Enter no of pages:"); Scan / 1.d" ( Pages) j int incoming[Pages], temp[Frames], time[Frames]; print ["Enter page vreference storing"); for (i=0; i (Pages; i++)

Scan (i), d', fincoming [i3); for i= 0 ; i & brames ; ite) { demp[i3=-1] time Ii3= oj 3 prinf [ ]nPage t Frame 1 t Frames to Frames to Pagefaults \n'); for (i= 0; i L hays; it+) { plagi=plag 2 70) for [=0;1/2 frames;j++) { if [ temp [ j] == incoming [ i] ) { Countertt; time[j] = Lounder; flag = flag 2 =1; break ; }} if [flag 1 == 0) { for ( j = 0 / j < frames ) j+ +) {

if (demp [j3==-1) ( Lounder ++; page faults ++; Jemp [j3 = in woming [i3; fime [j] = Lounter; play 2 = 1; break; 333 if | | lag 2 == 0) { int hos = find LRU (time, Forames); Counter++; page-faults ++; temp [ jus] = in coming [i]; time [ pos] = wunter; 3 print ['/.d \t', i morning [i]); for 1 j=0; j L Torames; j++) { ( ) femp [j]!=-1) print["/d/t", temp[j]); print[("-\t");} i) | | | lag 1 == 0) [ pourt ("\n");3 else {
 printf ('o|r'); 37



Enter refe 5 -1 -1 5 7 -1 5 7 -1 5 7 6 5 7 6	nber of pages: 6 rence string: 5 7	75673		
3 7 6 Total Page Faults = 4				
Enter no of frames = 3				
Enter page verteure string = 5 75 673 Page Frame 1 Frame 2 Frame 3 Page Faults				
Enter page vleference string = 5 75 673				
Page	Frame	I frame 2	Grame 3	Page Faults
5	5	-	•	1
7	5	7	-	1
5	5	~	-	6
6	S	П	6	1
7	5	7	6	0
3	5	7	6	1
	Top	al hage	Fautho: 4	
Result:	g d			

Sample Output:

Enter number of frames: 3

Thus the program to find out the number of Page faults their orrur using Least Recently used (LRV) page replacement feehingue has been executed surressfully