Ex. No.: 11b) Date: /6/ 4 25 LRU 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: # cenclude & stio hs maen () uit q [20], P[50], (=0, L1, d, f, i, i, j, k=0, n, 1, 1, 1, b(20), (20) punty [" Enter the no of pages "); xauf (" )-d", &n); pounts (" Euter the reference strey");
for lint is =0; izn 1, i++). points 1" Enter the no of frames); xay ("1.d", & 1); P(k) = p[k]; wein't ["Intt-1.d ln", 9 (866);

for (i=1;i2n;14+) forlj =0; 32 1; 5++) 2 y (P(i) = 9(1)) af (11== 1) & (++; y ( telf) & q[R]=p(i); ktt; for 1j=0;72 Rij++) paint (" (+1.d", a (i));
paint ("\n"); for (n=0; A2filtt) & 13(Y)=0; for 17=1-113/ni3-) & if [a[1]! = p[i]) else break;

1 Ja(120;121; 144) 10 for [1=0; 1=( 1, 1++) V for (j=x; j=4 11++) 3 4 (667 < 667) E=6(17; b(2) = b(1); b(i)= 4 for (100114) 4 (12 Fir == blor) printf ["It . I.d", a (17); print ("In"); painty (4.0", 1), 71

our subblied of ded ded ded deleter Sample Output: Enter number of frames: 3 Enter number of pages: 6 Enter reference string: 5 7 5 6 7 3 5-1-1 57-1 57-1 576 576 376 Total Page Faults = 4 10 2 6 7 3 9 4 7 5 7 6 6 2 The paye Thus the code for LRU page replacement algorithm is executed surressfully 72