

9)	write a c program to stimulate page replacement
- FELLOWSKY	algorithms replace
	a) Fi FO
	b) LRU
	c) Optimal
	#include (stdio.h)
	#include(std&bool.h)
	woi'd fito Page Replacement (int page, int incoming Streng)
	int frames) {
	int page Fault = 0;
	int temp[fautham trames];
	int front=0;
	for (int m=0; m< homes; m++) {
	temp{m]=-1;
	9
100	prints (" \n Fifo Page Replacement Algorithm !)
	the throng I thrame 1/+ frame 9/thing
	six rame in);
	for (int m=0; mcpages; m++) {
	pagerault= tree.
	Frameria 1)
	if (temp[n] == in coming Stream[m])
	page Fault= Salse:
	break;
	7
	if (pagefauls)
	in Olerani, in International
	3 page Faults++:
# 1 m	18 C

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	DATE:
	prints ("/d1+11", incoming Stream [m]);
	for (int n=0; n < frames; n++) {
the design of th	1' L (Kmp[n] != -1)
	print("Ved It (t" temp[n]);
	else minimaland de
	Print ("- 1+ \+");
	3 print ("- \+ \+");1
	printf("\n");
	4
. A.	prints ("In Total page Faulti: Hild In",
	page Fautts);
	4 General Salamaki Air marking
	vaid trupage Replacement (int pages, int incomingst
	ream[] int frames)
	int page faults=0;
	int temp[frames];
177 to	int used [frames]!
	for (int m=0; m < frames; m++) f
4 5	temp [m]= -you of " > 2 Laina
	used [m] = 0
2 T	3
	printf ("In LRU page Replacement Algorithm In");
	printf("In In coming It frame ill frame of
~	Frame 3/4 Frame "Jinland and
	for (int m=0; micpages; m++) (
~ <	- bool page fault= true;
	int leastUsed Idx = 0;
\sim	for (int n=0; n < frames; n++) {
	if (temp[n]== incoming Stream[m]){
1 K 1	page Fault = false;
	eised (n)= m+1;
	break;

il (cued (o) s wied (u leas vosed zan) lear used I de = O; if (page Fault) (semp [least Used I dx] = in coming Stream[m] wed [least Used Idse] = m+1; 2 pagefaults ++; prints (" 1.d 1+ 1+" in coming Stream[m]); Sorling n=0; n < frames n++){ if (temp[n] != -1) Printf(" 1/ d) + 1+ " semplos): prints (" In Total page Foult: It !! d) pagefaults); void optimalPageReplaceiment (int pages int interming Stream [] intermes). int temp[frame]: Lowlint meo; mc frames; m++) 2 temp[m]=-1; printe ("In optimal page Replacement printe ("In Incoming 14 Frame 14 Frame Frame 3 \4 Erame"):

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for (int m=0; m< pages; m++) { bool page Fault = true; int replace Idu - 1; ind fartheitim; for (i'nt n=0; n (frames; n++) (if (temp[n] == incoming Stream (m)) pagefault = false; broak and show if (pageFault) for (int n=0; n(frames; n++) { for (j= m+1; j< pages ; j++) { i'f (semplo] = = incoming Stream[i]) it (i) forthest) s farthest=j-1 replace Idx = n; break; on laids if (j' = = pages) { replace Idu = n; il (replace I dr == -1) replaceIdx=0; temp [replacetdx]= in coming sheam [m]; pagefault++;

prior ("/d M It"; in coming stream [m]). Por Ciot 0=0; nc frames 0-1-1) if (temp[0]/=-1) & print(". I.d It It " templos) Plie print(":\+\+"); print[("\n"); printf("In Total page Foult: It Ital pagefaul4); 3 int main() int pages; printfl" Enter number of pages in Income stream: "); scanfl" ... d pages); int incoming Stream (pages); printfl "Foter the sequence of pages: 15) for (int i=0; i < pages; i++)(scantl" .d" & incoming Sheamlif int frames; printe(" Enter no of Frames: "); scanf (" ./. d", & frames). Litopage Replacement (pages, incoming trees, Optimal Dans Charges in coming (sear) re turn a lage Replacement (page, incoming trois

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