/\* Page Replacement Alg FIFO\*/

#include<stdio.h>

#include<conio.h>

int main()

{

int i,j,n,a[50],frame[10],no,k,avail,count=0;

clrscr();

printf("\n ENTER THE NUMBER OF PAGES:\n");

scanf("%d",&n);

printf("\n ENTER THE PAGE SEQUENCE :\n");

for(i=1;i<=n;i++)

scanf("%d",&a[i]);

printf("\n ENTER THE NUMBER OF FRAMES :");

scanf("%d",&no);

for(i=0;i<no;i++)

frame[i]= -1;

j=0;

printf("ref string\t page frames\n");

printf("============================\n");

for(i=1;i<=n;i++)

{

printf("%d\t\t",a[i]);

avail=0;

for(k=0;k<no;k++)

if(frame[k]==a[i])

avail=1;

if (avail==0)

{

frame[j]=a[i];

j=(j+1)%no;

count++;

for(k=0;k<no;k++)

printf("%d\t",frame[k]);

}

printf("\n");

}

printf("Page Fault Is %d",count);

getch();

}/\*OUTPUT:

ENTER THE NUMBER OF PAGES: 20

ENTER THE PAGE NUMBER : 7 0 1 2 0 3 0 4 2 3 0 3 2 1 2 0 1 7 0 1

ENTER THE NUMBER OF FRAMES :3

ref string page frames

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7 7 -1 -1

0 7 0 -1

1 7 0 1

2 2 0 1

0

3 2 3 1

0 2 3 0

4 4 3 0

2 4 2 0

3 4 2 3

0 0 2 3

3

2

1 0 1 3

2 0 1 2

0

1

7 7 1 2

0 7 0 2

1 7 0 1

Page Fault Is 15

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