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**Lab Report Name: Implementation of FIFO page replacement algorithm .**

**Lab Report No:11**

**Lab Report 11: Implementation of FIFO page replacement algorithm .**

**Theory:**This is the simplest page replacement algorithm.In this algorithm the operating system keeps track of all pages in the memory in a queue,the oldest page is in the front of the queue.When a page needs to be replaced page in the front of the queue is selected for removal. For evaluating an algorithm we take a particular string of memory references ,called reference string.

**Corresponding Code:**

#include<stdio.h>

int main()

{

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

printf("Enter the number of Pages: ");

scanf("%d",&n);

printf("Enter the page number : ");

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

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

printf("Enter the number of FRAMES : ");

scanf("%d",&no);

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

frame[i]= -1;

j=0;

printf("\n");

printf("tref string\t page frames\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);

printf("\n");

return 0;

}

**Output:**

