7. **Construct a program to simulate the First in First Out paging technique of memory management. When a page must be replaced, the oldest page is chosen.**

#include<stdio.h>

Int main ()

{

int i,j,n,a[50],frame[10],nf,k,avail,count=0;

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

scanf("%d",&n);

printf("\n ENTER THE PAGE

NUMBER:\n");for(i=1;i<=n;i++)scanf("%d",&a[i]);

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

scanf("%d",&nf);for(i=0;i<nf;i++)frame[i]= -1;j=0;

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<nf;k++)

if(frame[k]==a[i])avail=1;

if (avail==0)

{

frame[j]=a[i];j=(j+1)%nf;c

ount++;for(k=0;k<nf;k++)

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

}

printf("\n");

}

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

}

OUTPUT:

