

```
#include <stdio.h>
```

```
void main()
```

```
{  
    int i,j,n,m,found,page[100],frame[100],k=0,count=0;  
    printf("ENTER THE NUMBER OF PAGES : ");  
    scanf("%d",&n);  
    for(i=0;i<n;i++)  
    {  
        printf("ENTER THE PAGE NUMBER %d: ",i+1);  
        scanf("%d",&page[i]);  
    }  
    printf("ENTER THE NUMBER OF FRAMES : ");  
    scanf("%d",&m);  
    for(i=0;i<m;i++)  
    {  
        frame[i]=-1;  
    }  
    printf("\n\tREFERENCE STRING\t PAGE NUMBER\t\t STATUS\n");  
    for(i=0;i<n;i++)  
    {  
        found=0;  
        printf("\t\t%d\t\t",page[i]);  
        for(j=0;j<m;j++)  
        {  
            if(frame[j]==page[i])  
            {  
                found = 1;  
            }  
        }  
        if(found == 0)  
        {  
            frame[k] = page[i];  
            k = (k+1)%m;  
            count++;  
        }  
        for(j=0;j<m;j++)  
        {  
            if(frame[j] != -1)  
            {  
                printf("%d ",frame[j]);  
            }  
        }  
        if(found==1)  
        {        printf("\t\tHIT\n");        }  
        else  
        {        printf("\t\tMISS\n");        }  
    printf("\nPAGE FAULT : %d\n",count);    }
```