**2. Write a C program to illustrate the FIFO method of page replacement and determine the number of page faults for the following test case:**

**No of page frames: 3; Page reference sequence: 4, 1, 2, 4, 3, 2, 1 and 5.**

Program :

#include<stdio.h>

int main(){

int n,i,j,z=1,h=0,f=0,r=0,k,p1;

printf("Enter the number of frames and number of pages: ");

scanf("%d,%d",&p1,&n);

int p[p1],page[n];

for(i=0;i<n;i++){

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

}

for(i=0;i<n;i++){

for(j=0;j<p1;j++){

if(p[j]==page[i]){

z=z\*0;

}

else{

z=z\*1;

}

}

if(z==0){

h=h+1;

}

else

{

f=f+1;

if(r<3){

p[r]=page[i];

}

else{

r=0;

}

r=r+1;

}

}

printf("hit=%d\n",f);

printf("fault =%d",h);

}

**Output :**

