* **Implementation of FIFO paging algorithm:**

#include<stdio.h>

int main()

{

int incomingStream[]={4,1,2,4,5};

int pageFaults=0;

int frames=3;

int m,n,s;

int pages=5;

printf("Incoming \t Frame 1 \t Frame 2 \t Frame 3");

int temp[frames];

for(m=0;m<frames;m++)

{

temp[m]=-1;

}

for(m=0;m<pages;m++)

{

s=0;

for(n=0;n<frames;n++)

{

if(incomingStream[m]==temp[n])

{

s++;

pageFaults--;

}

}

pageFaults++;

if((pageFaults<=frames)&&(s==0))

{

temp[m]=incomingStream[m];

}

else if(s==0)

{

temp[(pageFaults-1)%frames]=incomingStream[m];

}

printf("\n");

printf("%d\t\t\t",incomingStream[m]);

for(n=0;n<frames;n++)

{

if(temp[n]!=-1)

printf(" %d\t\t\t",temp[n]);

else

printf(" - \t\t\t");

}

}

printf("\nTotal Page Faults:\t%d\n",pageFaults);

return 0;

}

* **Output:**

