**AIM:**To write a C program to simulate paging technique.

#include<stdio.h>

#define MAX 50

int main()

{

int page[MAX],i,n,f,ps,off,pno;

printf("\nEnter the no of pages in memory");

scanf("%d",&n);

printf("\nEnter page size");

scanf("%d",&ps);

printf("\nEnter no of frames");

scanf("%d",&f);

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

page[i]=-1;

printf("\nEnter the page table\n");

printf("(Enter frame no as -1 if that page is not present in any frame)\n\n");

printf("\npageno\tframeno\n-------\t-------");

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

{

printf("\n\n%d\t\t",i);

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

}

printf("\n\nEnter the logical address(i.e,page no & offset):");

scanf("%d%d",&pno,&off);

if(page[pno]==-1)

printf("\n\nThe required page is not available in any of frames");

else

printf("\n\nPhysical address(i.e,frame no & offset):%d,%d",page[pno],off);

return 1;

}