

## EXPERIMENT NO. 6

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**MOODLE ID:** 20102068

**ROLL NO:** 26

**DIV:** A

### PROGRAM:

```
#include<stdio.h>
#define MAX 50
int main()
{
int page[MAX],i,n,f,ps,off,pno;
int choice=0;
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]);
}
do
{
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);
printf("\nDo you want to continue(1/0?):");
scanf("%d",&choice);
}while(choice==1);
return 1;
}
```

## OUTPUT:

```
komalchitnis02@komal-virtual-machine: ~  
komalchitnis02@komal-virtual-machine:~$ gcc paging.c  
komalchitnis02@komal-virtual-machine:~$ ./a.out  
  
Enter the no of pages in memory: 4  
  
Enter page size: 10  
  
Enter no of frames: 10  
  
Enter the page table  
(Enter frame no as -1 if that page is not present in any frame)  
  
pageno  frameno  
-----  
0          -1  
  
1          6  
  
2          -1  
  
3          4  
  
Enter the logical address(i.e,page no & offset):2 300  
  
The required page is not available in any of frames  
Do you want to continue(1/0)?:1  
  
Enter the logical address(i.e,page no & offset):3 400  
  
Physical address(i.e,frame no & offset):4,400  
Do you want to continue(1/0)?:1  
  
Enter the logical address(i.e,page no & offset):1 200  
  
Physical address(i.e,frame no & offset):6,200  
Do you want to continue(1/0)?:
```