EX NO: 7 PAGING TECHNIQUE OF MEMORY MANAGEMENT

DATE:

AIM:

To write a c program to implement Paging technique for memory management.

ALGORITHM:

STEP 1: Start

STEP 2: Declare page number, page table, frame number and process size.

STEP 3: Read the process size, total number of pages

STEP 4: Read the relative address

STEP 5: Calculate the physical address

STEP 6: Display the address

STEP 7: Stop

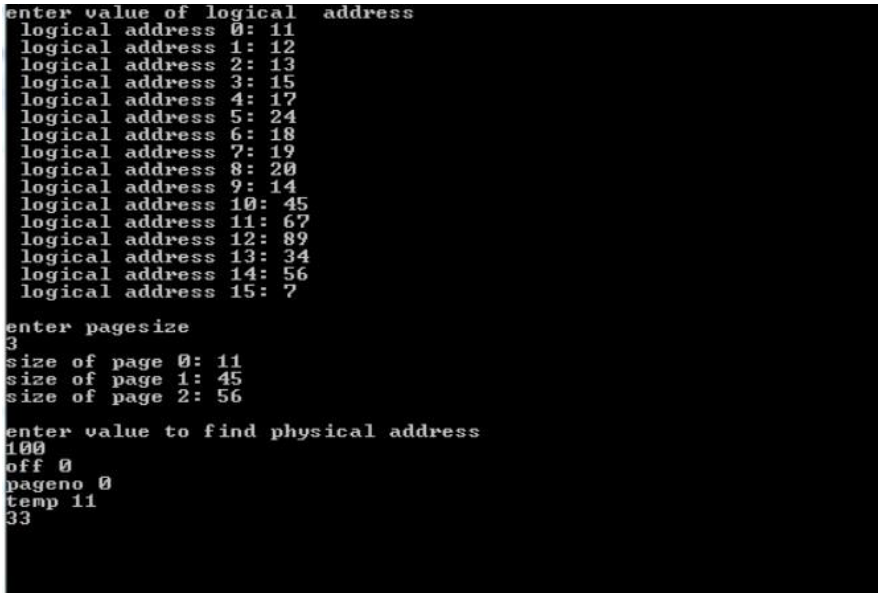
CODE:

```
#include<stdio.h>
#include<conio.h>
int l[16] ,p[10];
int n, page;
void binary(int n);
void phyadd(int n);
void logadd(int key)
{
 for(int i=0;i<16;i++)
 {
 if(key==l[i])
 {
 n=i;
 printf("index %d\n",n);
 }
 }
 phyadd(n);
```

```
}
void phyadd(int n)
{
 int off,pageno,temp,add;
 off=n%page;
 printf("off %d\n",off);
 pageno=n/page;
 printf("pageno %d\n",pageno);
 for(int i=0;i<page;i++)
 {
 if(pageno==i)
 {
 temp=p[i];
 printf("temp %d",temp);
 }
 }
add=(temp*page)+off;
 printf("\n%d",add);
 }
int main()
{
 int key;
 printf("enter value of logical address\n");
 for(int i=0;i<16;i++) {
 printf(" logical address %d: ",i);
 scanf("%d",&l[i]);
 }
 printf("\nenter pagesize\n");
 scanf("%d",&page);
 for(int i=0;i<page;i++) {
```

```
 printf("size of page %d: ",i);
 scanf("%d",&p[i]);
 }
 printf("\nenter value to find physical address\n");
 scanf("%d",&key);
 logadd(key);
 getch();
}
```

OUTPUT:



Observation (20)	
Record(5)	
Total (25)	
Intial	

RESULT:

Thus the c program for implementing Paging technique for memory management are executed successfully and the outputs are verified