

# **LAB # 11**

**Q)** Implement the above code and paste the screen shot of the output.

```
#include<stdio.h>
#include<unistd.h>
void main()
{
int b[20],l[20],n,i,pa,s,a,d;
printf("\nProgram for segmentation");
printf("\nEnter the number of segments:");
scanf("%d",&n);
printf("\nEnter the base address and limit register:");
for(i=0;i<n;i++)
{
scanf("%d",&b[i]);
scanf("%d",&l[i]);
}
printf("\nEnter the logical address:");
scanf("%d",&d);
for(i=0;i<n;i++)
{
if(i==s)
{
if(d<l[i])
{
pa=b[i]+d;
a=b[i];
printf("\n\tPageNo.\t BaseAdd. PhysicalAdd. \n\t %d \t %d \t %d \t ",s,a,pa);
```

```
exit(0);  
}  
else  
{  
printf("\nPage size exceeds");  
exit(0);  
}  
}  
}  
printf("\nInvalid segment");  
}
```

```
Program for segmentation  
Enter the number of segments:3  
  
Enter the base address and limit register:100 400  
2000 300  
3000 500  
  
Enter the logical address:150  
  
      PageNo.  BaseAdd.  PhysicalAdd.  
        1      2000      2150  
-----  
Process exited after 46.37 seconds with return value 0  
Press any key to continue . . .
```