

8.C Program to implement Absolute Loader

Program:

```
#include<stdio.h>
#include<string.h>
#include<stdlib.h>
void main()
{
    FILE *fp;
    int i,addrl,l,j,staddrl;
    char name[10],line[50],namel[10],addr[10],rec[10],ch,staddr[10];
    printf("enter program name:");
    scanf("%s",name);
    fp=fopen("abssrc.txt","r");
    fscanf(fp,"%s",line);
    for(i=2,j=0;i<8,j<6;i++,j++)
        namel[j]=line[i]; namel[j]='\0';
    printf("name from obj.%s\n",namel);
    if(strcmp(name,namel)==0)
    {
        do
        {
            fscanf(fp,"%s",line);
            if(line[0]=="T")
            {
                for(i=2,j=0;i<8,j<6;i++,j++)
                    staddr[j]=line[i];
                staddr[j]='\0'; staddrl=atoi(staddr);
                i=12;
                while(line[i]!='$')
                {
                    if(line[i]!='^')
                    {
                        printf("00%d\t%c%c\n",staddrl,line[i],line[i+1]);
```

```
staddr1++;  
i=i+2;  
}  
else  
i++;  
}  
}  
else if(line[0]='E')  
fclose(fp);  
}  
while(!feof(fp));  
}  
}
```

Output:

```
student@lab-OptiPlex-3020:~$ gedit a.c  
student@lab-OptiPlex-3020:~$ gcc a.c  
student@lab-OptiPlex-3020:~$ ./a.out  
enter program anmeSAMPLE  
name from obj.SAMPLE  
001000 00  
001001 10  
001002 03  
001003 07  
001004 10  
001005 09  
002000 11  
002001 11  
002002 11
```

Signature of the staff with date
