

```

#include<stdio.h>
#include<unistd.h>
#include<sys/types.h>
#include<sys/stat.h>
#include<fcntl.h>
#include<string.h>
#include<time.h>

#define SEEK_END 2
int main()
{
    char c1[42]="Laboratory Attendance Record For Today :-";
    int fd1,fd2,i;
    char format[100],form[100];
    char s[10],s1[10],s2[30],s5[10],s3[40],a,b,sn='\n';
    time_t myTime;
    struct tm * timeinfo;
    time (&myTime);
    timeinfo = localtime(&myTime);
    printf("Enter the class with section followed by 10 digit usn(ex: 6a 1by14cs001) :- \n");
    scanf("%s%s",s2,s1);

    sprintf(form,"%d:%d:%d",timeinfo->tm_mday,timeinfo->tm_mon+1,(timeinfo->tm_year+1900));
    for(i=0;i<strlen(form);i++)
        if(form[i]==':')
            form[i]='_';
    //write(1,form,strlen(form));
    strcpy(s5,s2);
    strcat(s2,"_");
    strcat(s2,form);
    //write(1,s2,strlen(s2));
    if(open(s2,O_RDONLY)<=0)
    {
        fd1=open(s2,O_WRONLY|O_CREAT,0644);
        write(fd1,&c1,41);
    }
    else
        fd1=open(s2,O_WRONLY);
    lseek(fd1,0,SEEK_END);
    strcpy(s3,s5);
    strcat(s3,"students");
    //printf("%s\n",s3);
    fd2=open(s3,O_RDONLY);
    //printf("file descriptor 2 : %d\n",fd2);
    while(read(fd2,s,10)>0)
    {
        s[10]='\0';
        //printf("Entering loop\n");
        //write(1,&s,10);
        //printf("\n%s check with %s = %d \n",s,s1,strcmp(s,s1));
        if((strcmp(s,s1)==0))
        {
            write(fd1,"\n",1);
            write(fd1,s,10);
            write(fd1," - ",3);
            sprintf(format,"%d:%d:%d",timeinfo->tm_hour,timeinfo->tm_min,timeinfo->tm_sec);
            write(fd1,format,strlen(format));
            printf("entry made\n");
            return;
        }
    }
    printf("USN not present in record\n");
    return;
}

```