

Binary file with project work:

```
#include<stdio.h>
```

```
#include<conio.h>
```

```
struct stu
```

```
{
```

```
int id;
```

```
char name[20];
```

```
}
```

```
s;
```

```
FILE *fp, *t;
```

```
int idno, found, op;
```

```
char ch;
```

```
void line() /* fun def */
```

```
{
```

```
puts("-----  
-----");
```

```
}
```

```
void newstu(); /* fun dec */  
void enquiry();  
void report();  
void upd();  
void del();  
void main()  
{  
clrscr();  
line();  
puts("\t\t\t STUDENT ENROLLMENT SYTSEM");  
line();  
puts("\t\t\t 1. New stu");  
puts("\t\t\t 2. Enquiry");  
        puts("\t\t\t\t 1. id wise enquiry");  
        puts("\t\t\t\t 2. name wise enquiry");  
puts("\t\t\t 3. Report");  
puts("\t\t\t 4. Update");
```

```
puts("\t\t\t 5. Delete");  
puts("\t\t\t 6. Exit");  
line();  
printf("\t\t\t Enter Ur Option[ ]\b\b");  
scanf("%d",&op);  
switch(op)  
{  
case 1:  
newstu(); /* fun calling */  
break;  
case 2:  
enquiry();  
break;  
case 3:  
report();  
break;  
case 4:
```

```
    upd();  
    break;  
    case 5:  
        del();  
        break;  
    case 6:  
        return;  
    default:  
        puts("Invalid Option");  
}  
getch();  
main(); /* recursion */  
}  
  
void newstu() /* fun def */  
{  
    clrscr();
```

```
fp = fopen("2file.dat","a");  
while(1)  
{  
    fflush();  
    printf("Enter stu id ");  
    scanf("%d",&s.id);  
    fflush();  
    printf("Enter stu name ");  
    gets(s.name);  
    fwrite(&s,sizeof(s),1,fp);  
    puts("One row created");  
    fflush();  
    printf("Next stu [y/n] ");  
    scanf("%c",&ch);  
    if(ch=='n' || ch=='N')  
        break;  
}
```

```
fclose(fp);  
  
}  
  
void enquiry()  
{  
  
found=0;  
  
fp = fopen("2file.dat","r"); /* read mode */  
  
clrscr();  
  
puts("\t\t\t 1. id wise");  
  
puts("\t\t\t 2. name wise");  
  
puts("\t\t\t 3. cancel");  
  
line();  
  
printf("\t\t\t Enter ur option: ");  
  
scanf("%d",&op);  
  
if(op==1)  
{  
  
printf("Enter stu id to search ");  
  
scanf("%d",&idno);
```

```
fread(&s,sizeof(s),1,fp);  
while(!feof(fp))  
{  
    if(idno==s.id)  
    {  
        puts("Id\tName");  
        line();  
        printf("%d\t%s\n",s.id,s.name);  
        found=1;  
        break;  
    }  
    fread(&s,sizeof(s),1,fp);  
}  
  
else if(op==2)  
{  
    char sname[20];
```

```
printf("Enter stu name to search ");
scanf("%s",sname);
fread(&s,sizeof(s),1,fp);
while(!feof(fp))
{
if(stricmp(s.name,sname)==0)
{
puts("Id\tName");
line();
printf("%d\t%s\n",s.id,s.name);
found=1;
break;
}
fread(&s,sizeof(s),1,fp);
}
}
else if(op==3)main();
```



```
else
{
puts("Invalid option");
getch();
enquiry();
}

if(found==0)
printf("Stu not found");
fclose(fp);
}

void report()
{
clrscr();
fp = fopen("2file.dat","r");
if(fp==NULL)
puts("File not found");
else
```

```

{
puts("Id\tName");
puts("-----");
fread(&s,sizeof(s),1,fp);
while(!feof(fp))
{
printf("%d\t%s\n",s.id,s.name);
fread(&s,sizeof(s),1,fp);
}
fclose(fp);
}

void upd()
{
clrscr();
found=0;

fp = fopen("2file.dat","r+"); /* read and write */

```

```
printf("Enter stu id to update ");
scanf("%d",&idno);
fread(&s,sizeof(s),1,fp);
while(!feof(fp))
{
if(s.id==idno)
{
puts("Id\tName");
line();
printf("%d\t%s\n",s.id,s.name);
printf("Enter new id, name ");
scanf("%d %s",&s.id,s.name);
fseek(fp, ftell(fp)-sizeof(s),0);
fwrite(&s,sizeof(s),1,fp);
puts("One row updated");
found=1;
break;
```

```
}  
  
fread(&s,sizeof(s),1,fp);  
  
}  
  
fclose(fp);  
  
if(found==0)  
puts("Stu not found");  
  
}
```

```
void del()  
{  
  
found=0;  
  
fp=fopen("2file.dat","r");  
  
t=fopen("temp","w");  
  
printf("Enter stu id to delete ");  
  
scanf("%d",&idno);  
  
fread(&s,sizeof(s),1,fp);  
  
while(!feof(fp))
```

```
{  
if(idno==s.id)  
{  
puts("Id\tName");  
line();  
printf("%d\t%s\n",s.id,s.name);  
found=1;  
}  
else  
fwrite(&s,sizeof(s),1,t);  
fread(&s,sizeof(s),1,fp);  
}  
fclose(fp);  
fclose(t);  
if(found==0)  
puts("Stu not found");  
else
```

```
{  
flushall();  
  
printf("Do you want to delete the stu record [y/n] ");  
  
scanf("%c",&ch);  
  
if(ch=='n' || ch=='N')  
puts("Operation cancelled");  
  
else  
{  
remove("2file.dat");  
rename("temp","2file.dat");  
puts("One row deleted");  
}  
}  
}
```

