

```

        printf("%s\n",s[i].name);
    }
    printf("Operation 2\n");
    printf("Id students chose elective 1\n",c1);
    printf("Id students chose elective 2\n",c2);
    printf("Id students chose elective 3\n",c3);
    printf("Operation 3\n");
    if((c1<3) {
        printf("Elective 1 is floated,students who have chosen it must rselect their electives\n");
        for(int i=0;i<n;i++) {
            if(s[i].elec==1) {
                printf("Id, please enter new elective choice\n",s[i].name);
                int nc;
                scanf("%d",&nc);
                s[i].elec=nc;
            }
        }
    }
    else if {
        printf("Elective 2 is floated,students who have chosen it must rselect their electives\n");
        for(int i=0;i<n;i++) {
            if(s[i].elec==2) {
                printf("Id, please enter new elective choice\n",s[i].name);
                int nc;
                scanf("%d",&nc);
                s[i].elec=nc;
            }
        }
    }
    else if((c3<3) {
        printf("Elective 3 is floated,students who have chosen it must rselect their electives\n");
        for(int i=0;i<n;i++) {
            if(s[i].elec==3) {
                printf("Id, please enter new elective choice\n",s[i].name);
                int nc;
                scanf("%d",&nc);
                s[i].elec=nc;
            }
        }
    }
    else {}
    c1=c2=c3=0;
    for(int i=0;i<n;i++) {
        if(s[i].elec==1)
            c1++;
        else if(s[i].elec==2)
            c2++;
        else
            c3++;
    }
    printf("Number of students in Elective 1:%d\n",c1);
    printf("Number of students in Elective 2:%d\n",c2);
    printf("Number of students in Elective 3:%d\n",c3);
    return 0;
}

```

```

#include <stdio.h>
#include <conio.h>
#include <process.h>

struct std {
    char name[20];
    int elec;
};

typedef struct std st;

int main() {
    int n,c1,c2,c3;
    printf("Enter number of students:");
    scanf("%d",&n);
    st s[n];
    printf("ELECTIVE LIST");
    printf("\n1.Iot");
    printf("\n2.Advanced Java and J2EE");
    printf("\n3.Advanced Data Structures");
    for(int i=0;i<n;i++) {
        printf("\nEnter name:");
        scanf("%s",s[i].name);
        printf("\nEnter elective choice");
        scanf("%d",&s[i].elec);
        if(s[i].elec==1)
            c1++;
        else if(s[i].elec==2)
            c2++;
        else if(s[i].elec==3)
            c3++;
    }
    printf("Operation 1\n");
    printf("Which elective student list is needed?\n");
    int x;
    scanf("%d",&x);
    int p;
    printf("Student list:\n");
    for(int i=0;i<n;i++) {
        if(s[i].elec==x) {
            p++;
            printf("%s\n",s[i].name);
        }
    }
    printf("Operation 2\n");
    printf("Id students chose elective 1\n",&c1);
    printf("Id students chose elective 2\n",&c2);
    printf("Id students chose elective 3\n",&c3);
    printf("Operation 3\n");
    if(c1<3) {
        printf("Election 1 is flouted,students who have chosen it must reselect their electives\n");
        for(int i=0;i<n;i++) {
            if(s[i].elec==1) {
                printf("Id, please enter new elective choice\n",s[i].name);
                int nc;
                scanf("%d",&nc);
                s[i].elec=nc;
            }
        }
    }
    else {}
    if(c2<3) {

```

```
C:\Windows\SYSTEM32\cmd.exe
Enter number of students:10
ELECTIVE LIST
1.Tot
2.Advanced Java and J2EE
3.Advanced Data Structures
Enter name:a
Enter elective choice1
Enter name:b
Enter elective choice1
Enter name:c
Enter elective choice1
Enter name:d
Enter elective choice1
Enter name:e
Enter elective choice1
Enter name:f
Enter elective choice1
Enter name:g
Enter elective choice2
Enter name:h
Enter elective choice2
Enter name:i
Enter elective choice3
Enter name:j
Enter elective choice3
Operation 1
Which Elective student list is needed?
1
Student List:
>a
>b
>c
```

C:\Windows\SYSTEM32\cmd.exe

Enter name:i

Enter elective choice3

Enter name:j

Enter elective choice3

Operation 1

Which Elective student list is needed?

1

Student List:

>a

>b

>c

>d

>e

>f

Operation 2

6 students chose elective 1

2 students chose elective 2

1 students chose elective 3

Operation 3

Elective 3 is floated,students who have chosen it must reselect their electives

i, please enter new elective choice

2

j, please enter new elective choice

2

Number of students in Elective 1:6

Number of students in Elective 2:4

Number of students in Elective 3:0

(program exited with code: 0)

Press any key to continue . . .