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        printf("%s\n",s[i].name);
    }
printf("Operation 2\n");
printf("All students chose elective 1\n",c1);
printf("All students chose elective 2\n",c2);
printf("All students chose elective 3\n",c3);
printf("Operation 3\n");
if(c1>0) {
    printf("Elective 1 is floated,students who have chosen it must reselect their electives\n");
    for(int i=0;i<n;i++) {
        if(s[i].elec==1) {
            printf("Hi, please enter new elective choice\n",s[i].name);
            int nc;
            scanf("%d",&nc);
            s[i].elec=nc;
        }
    }
}
else if(c2>0) {
    printf("Elective 2 is floated,students who have chosen it must reselect their electives\n");
    for(int i=0;i<n;i++) {
        if(s[i].elec==2) {
            printf("Hi, please enter new elective choice\n",s[i].name);
            int nc;
            scanf("%d",&nc);
            s[i].elec=nc;
        }
    }
}
else if(c3>0) {
    printf("Elective 3 is floated,students who have chosen it must reselect their electives\n");
    for(int i=0;i<n;i++) {
        if(s[i].elec==3) {
            printf("Hi, please enter new elective choice\n",s[i].name);
            int nc;
            scanf("%d",&nc);
            s[i].elec=nc;
        }
    }
}
else {
    c1=0;c2=0;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("Enter 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("No students chose elective 1\n",c1);
    printf("No students chose elective 2\n",c2);
    printf("No students chose elective 3\n",c3);
    printf("Operation 3\n");
    if(c1<0) {
        printf("Elective 1 is floated,students who have chosen it must reselect their electives\n");
        for(int i=0;i<n;i++) {
            if(s[i].elec==1) {
                printf("Hi, please enter new elective choice\n",s[i].name);
                int nc;
                scanf("%d",&nc);
                s[i].elec=nc;
            }
        }
    }
    else {
        if(c2<0)

```

```
C:\Windows\SYSTEM32\cmd.exe
Enter number of students:10
ELECTIVE LIST
1.Iot
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
1, 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 . . .
```