```c
#include <stdio.h>
#include <conio.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;
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32      scanf("%d",&x);
33      int p;
34      printf("Student List:\n");
35      for(int i=0;i<n;i++) {
36          if(s[i].elec==x) {
37              p++;
38              printf(">%s\n",s[i].name);
39          }
40      }
41      printf("Operation 2\n");
42      printf("%d students chose elective 1\n",c1);
43      printf("%d students chose elective 2\n",c2);
44      printf("%d students chose elective 3\n",c3);
45      printf("Operation 3\n");
46      if(c1<3) {
47          printf("Elective 1 is floated,students who have chosen it must reselect their electives\n");
48          for(int i=0;i<n;i++) {
49              if(s[i].elec==1) {
50                  printf("%s, please enter new elective choice\n",s[i].name);
51                  int nc;
52                  scanf("%d",&nc);
53                  s[i].elec=nc;
54              }
55          }
56      }
57      else {}
58      if(c2<3) {
59          printf("Elective 2 is floated,students who have chosen it must reselect their electives\n");
60          for(int i=0;i<n;i++) {
61              if(s[i].elec==2) {
62                  printf("%s, please enter new elective choice\n",s[i].name);
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                int nc;
                scanf("%d",&nc);
                s[i].elec=nc;
            }
        }
    }
    if(c3<3) {
        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("%s, 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;
```

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