$\triangleleft$ 

Line 41, Column 6 Tab Size: 4 C

```
\triangleleft
    electives.c
 34
 35
 36
          printf("Operation 1\n");
 37
          int x:
          printf("Enter the choice of elective you want to get the list for: ");
 38
          scanf("%d",&x);
 39
          for (int i = 0; i < num; i++)</pre>
 40
 41
 42
              if(a[i] == x) {
                  printf(">%s\n",arr[i].name);
 43
 44
 45
 46
 47
          printf("Operation 2\n");
          if(cnt1<3) {
 48
 49
              cnt1 = 0;
              printf("All elective one students are required to chose different elective.\n");
 50
 51
              for(int i=0;i<num;i++) {</pre>
 52
                  if(a[i] == 1) {
 53
                       printf("%s Select from elective 2 or 3: ",arr[i].name);
 54
                       scanf("%d",&n);
 55
                       a[i] = n;
 56
                       if(n == 3)
 57
                           cnt3++;
 58
                       else if(n == 2)
 59
                           cnt2++;
 60
 61
 62
          if(cnt2<3) {
 63
              cnt2 = 0:
 64
              printf("All elective two students are required to chose different elective.\n");
 65
 66
              for(int i=0;i<num;i++) {</pre>
 67
                   if(a[i] == 2) {
```

Line 41, Column 6 Tab Size: 4 C

```
\triangleleft
    electives.c
 64
              cnt2 = 0;
 65
              printf("All elective two students are required to chose different elective.\n");
 66
              for(int i=0;i<num;i++) {</pre>
 67
                  if(a[i] == 2) {
 68
                       printf("%s Select from elective 1 or 3: ",arr[i].name);
 69
                       scanf("%d",&n);
 70
                       a[i] = n;
 71
                       if(n == 1)
 72
                           cnt1++;
                       else if(n == 3)
 73
 74
                           cnt3++;
 75
 76
 77
 78
          if(cnt3<3) {
 79
              cnt3 = 0:
 80
              printf("All elective three students are required to chose different elective.\n");
              for(int i=0;i<num;i++) {</pre>
 81
 82
                  if(a[i] == 3) {
 83
                       printf("%s Select from elective 2 or 1: ",arr[i].name);
                       scanf("%d",&n);
 84
                       a[i] = n;
 85
                       if(n == 1)
 86
 87
                           cnt1++;
 88
                       else if(n == 2)
 89
                           cnt2++:
 90
 91
 92
          printf("Operation 3\n");
 93
 94
          printf("Number of students in elective one : %d\n",cnt1);
 95
          printf("Number of students in elective two : %d\n",cnt2);
          printf("Number of students in elective three : %d\n",cnt3);
 96
```

☐ Line 41, Column 6 Tab Size: 4 C

```
4
    electives.c
 90
 91
 92
 93
          printf("Operation 3\n");
 94
          printf("Number of students in elective one : %d\n",cnt1);
 95
          printf("Number of students in elective two : %d\n",cnt2);
 96
          printf("Number of students in elective three : %d\n",cnt3);
 97
 98
          printf("Operation 4\n");
 99
          printf("List of students in elective 1: \n");
100
          for (int i = 0; i < num; i++)</pre>
101
102
              if(a[i] == 1) {
103
                  printf(">%s\n",arr[i].name);
104
105
          }
106
          printf("List of students in elective 2: \n");
107
108
          for (int i = 0; i < num; i++)</pre>
109
              if(a[i] == 2) {
110
111
                  printf(">%s\n",arr[i].name);
112
113
          }
114
115
          printf("List of students in elective 3: \n");
116
          for (int i = 0; i < num; i++)</pre>
117
118
              if(a[i] == 3) {
119
                  printf(">%s\n",arr[i].name);
120
121
          }
122
123
```



C

☐ Line 41, Column 6 Tab Size: 4

```
Students are required to fill in their details and choice of electives
Choices for electives:
1. Internet of things
2.Advanced Java
3.Advance DS
Enter the total number of students: 15
Enter the name of student : Jim
Enter your choice: 1
Enter the name of student: Pam
Enter your choice: 2
Enter the name of student : Dwight
Enter your choice: 3
Enter the name of student : Mike
Enter your choice: 2
Enter the name of student : angela
Enter your choice: 1
Enter the name of student: ross
Enter your choice: 3
Enter the name of student : rachael
Enter your choice: 2
Enter the name of student: kevin
Enter your choice: 1
Enter the name of student : rahul
Enter your choice : 2
Enter the name of student : Dhoni
Enter your choice: 3
Enter the name of student : Kohli
Enter your choice: 2
Enter the name of student: Ram
Enter your choice: 1
Enter the name of student: Shyam
Enter vour choice: 1
Enter the name of student: Kartik
Enter your choice: 2
Enter the name of student : Oscar
Enter your choice: 1
Operation 1
Enter the choice of elective you want to get the list for: 2
>Pam
>Mike
```

```
Enter your choice: 1
Enter the name of student : Kartik
Enter your choice: 2
Enter the name of student : Oscar
Enter your choice: 1
Operation 1
Enter the choice of elective you want to get the list for: 2
>Pam
>Mike
>rachael
>rahul
>Kohli
>Kartik
Operation 2
Operation 3
Number of students in elective one : 6
Number of students in elective two : 6
Number of students in elective three: 3
Operation 4
List of students in elective 1:
>Jim
>angela
>kevin
>Ram
>Shyam
>Oscar
List of students in elective 2:
>Pam
>Mike
>rachael
>rahul
>Kohli
>Kartik
List of students in elective 3:
>Dwight
>ross
>Dhoni
[Process completed]
```