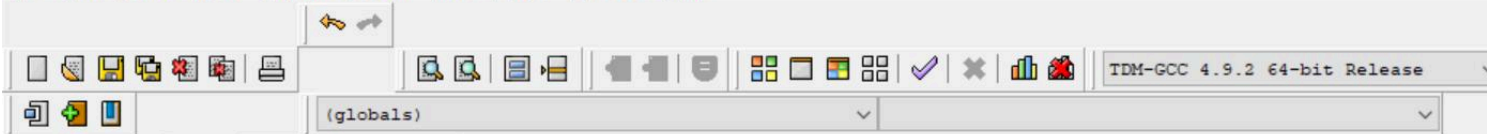


C:\Users\Nikita\OneDrive\Desktop\programs\StudentElective.cpp - Dev-C++ 5.11

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Project Classes

[\*] StudentElective.cpp

```
1  #include<stdio.h>
2  struct course
3  {
4      char name[20];
5  };
6  int main()
7  {
8      struct course s[3][100];
9      int n,i,j,c[3]={0,0,0},choice;
10     char cn[3][10]={"IOT","JAVA","DS"};
11     printf("Enter number of students:\n");
12     scanf("%d",&n);
13     printf("Enter student details:\n");
14     for(i=0;i<n;i++)
15     {
16         printf("-----\n");
17         printf("Select your choice :\n1.INTERNET OF THINGS\n2.ADVANCED JAVA AND J2EE\n3.ADVANCED DATA STRUCTURES\n");
18         scanf("%d",&choice);
19         if(choice<0||choice>3)
20         {
21             printf("Invalid choice!\n");
22             continue;
23         }
24         printf("Enter name of the student %d\n",i+1);
25         scanf("%s",&s[choice-1][c[choice-1].name]);
26         c[choice-1]++;
27     }
28     disp:
29     for(i=0;i<3;i++)
30     {
31         if(c[i]>=0)
32         {
33             printf("List of students of course %s:\n",cn[i]);
34             for(j=0;j<c[i];j++)
35             {
36                 printf("%d) %s \n",j+1,s[i][j].name);
37             }
38         }
39     }
```

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Project Classes

[\*] StudentElective.cpp

```
31 if(c[i]>=0)
32 {
33     printf("List of students of course %s:\n",cn[i]);
34     for(j=0;j<c[i];j++)
35     {
36         printf("%d) %s \n",j+1,s[i][j].name);
37     }
38     printf("Number of students in the course %s is %d\n",cn[i],j);
39 }
40 }
41
42 for(i=0;i<3;i++)
43 {
44     if(c[i]<3&&cn[i]!='-1')
45     {
46         printf("Number of people less than 3 in course %s,so the students in the course %s please change the course:\n",cn[i],cn[i]);
47         for(j=0;j<c[i];j++)
48         {
49             printf("Enter course code:\n");
50             scanf("%d",&choice);
51             if(choice==i+1){
52                 printf("Enter other course!\n");
53                 continue;
54             }
55             printf("Enter name:\n");
56             scanf("%s",&s[choice-1][c[choice-1]].name);
57             c[choice-1]++;
58         }
59     }
60     n=c[i];
61     c[i]=-1;
62     goto disp;
63 }
64 }
65 }
66
67 return 0;
```

C:\Users\Nikita\OneDrive\Desktop\programs\StudentElective.exe

Enter number of students:

6

Enter student details:

-----

Select your choice :

1.INTERNET OF THINGS

2.ADVANCED JAVA AND J2EE

3.ADVANCED DATA STRUCTURES

1

Enter name of the student 1

riya

-----

Select your choice :

1.INTERNET OF THINGS

2.ADVANCED JAVA AND J2EE

3.ADVANCED DATA STRUCTURES

2

Enter name of the student 2

sakshi

-----

Select your choice :

1.INTERNET OF THINGS

2.ADVANCED JAVA AND J2EE

3.ADVANCED DATA STRUCTURES

3

Enter name of the student 3

ritu

-----

Select your choice :

1.INTERNET OF THINGS

2.ADVANCED JAVA AND J2EE

3.ADVANCED DATA STRUCTURES

1

Enter name of the student 4

ram

-----

Select your choice :

1.INTERNET OF THINGS

2.ADVANCED JAVA AND J2EE

3.ADVANCED DATA STRUCTURES

C:\Users\Nikita\OneDrive\Desktop\programs\StudentElective.exe

Enter name of the student 4

ram

-----

Select your choice :

1.INTERNET OF THINGS

2.ADVANCED JAVA AND J2EE

3.ADVANCED DATA STRUCTURES

3

Enter name of the student 5

nikita

-----

Select your choice :

1.INTERNET OF THINGS

2.ADVANCED JAVA AND J2EE

3.ADVANCED DATA STRUCTURES

3

Enter name of the student 6

priya

List of students of course IOT:

1) riya

2) ram

Number of students in the course IOT is 2

List of students of course JAVA:

1) sakshi

Number of students in the course JAVA is 1

List of students of course DS:

1) ritu

2) nikita

3) priya

Number of students in the course DS is 3

Number of people less than 3 in course IOT,so the students in the course IOT please change the course:

Enter course code:

2

Enter name:

riya

Enter course code:

2

Enter name:

ram

List of students of course JAVA:

C:\Users\Nikita\OneDrive\Desktop\programs\StudentElective.exe

```
Enter name of the student 6
priya
List of students of course IOT:
1) riya
2) ram
Number of students in the course IOT is 2
List of students of course JAVA:
1) sakshi
Number of students in the course JAVA is 1
List of students of course DS:
1) ritu
2) nikita
3) priya
Number of students in the course DS is 3
Number of people less than 3 in course IOT,so the students in the course IOT please change the course:
Enter course code:
2
Enter name:
riya
Enter course code:
2
Enter name:
ram
List of students of course JAVA:
1) sakshi
2) riya
3) ram
Number of students in the course JAVA is 3
List of students of course DS:
1) ritu
2) nikita
3) priya
Number of students in the course DS is 3

-----
Process exited after 143.4 seconds with return value 0
Press any key to continue . . .
```