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main.c
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("Press code to select course:\n1.INTERNET OF THINGS\n2.ADVANCED JAVA AND J2EE\n3");
18        scanf("%d",&choice);
19        if(choice<0||choice>3)
20        {
21            printf("Invalid choice!\n");
22        }
23    }
24}
```

input

List of students of course DS:

```

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         printf("Number of students in the course %s is %d\n",cn[i],j);
39     }
40 }
41

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for(i=0;i<3;i++)
{
    if(c[i]<3&& c[i]!=-1)
    {
        printf("Number of people less than 3 in course %s,so the students in the course\n");
        for(j=0;j<c[i];j++)
        {
            printf("Enter course code:\n");
            scanf("%d",&choice);
            if(choice==i+1){
                printf("Enter other course!\n");
                continue;
            }
            printf("Enter name:\n");
            scanf("%s",&s[choice-1][c[choice-1]].name);
            c[choice-1]++;
        }
    }
    n=c[i];
}

```

```

    {
        printf("Enter course code:\n");
        scanf("%d",&choice);
        if(choice==i+1){
            printf("Enter other course!\n");
            continue;
        }
        printf("Enter name:\n");
        scanf("%s",&s[choice-1][c[choice-1]].name);
        c[choice-1]++;
    }

    n=c[i];
    c[i]=-1;
    goto disp;
}

return 0;
}

```



input

Press code to select course:

- 1.INTERNET OF THINGS
- 2.ADVANCED JAVA AND J2EE
- 3.ADVANCED DATA STRUCTURES

Enter name of the student 9  
harsha

List of students of course IOT:

- 1) ram
- 2) ravi
- 3) hari
- 4) isha

Number of students in the course IOT is 4

List of students of course JAVA:

- 1) abhi
- 2) harry
- 3) priya

Number of students in the course JAVA is 3

List of students of course DS:

- 1) girish
- 2) harsha

Number of students in the course DS is 2

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