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*mainc - Notepad
File Edit Format View Help
#include <stdio.h>
#include <string.h>
typedef struct student
{
    char name[20];
    int ele;
}student ;

void Enter(int n,student s[])
{
    printf("The electives are:\n1.IOT\n2.JAVA\n3.DS\n");
    printf("Enter student Details( Name, Elective)");
    for(int i=0;i<n;i++)
    {
        printf("\nstudent %d\n",i+1);
        scanf("%s%d",s[i].name,&s[i].ele);
    }
}

void Same(int n,student s[])
{
    int x;
    printf("\nEnter your elective number: ");
    scanf("%d",&x);
    printf("Same elective students are:\n");
    if(n>0)
    {
        for(int a=0;a<n;a++)
        {
            if(x==s[a].ele)
                printf("%s\n",s[a].name);
        }
    }
    else {printf("\nNo students entered");}
}

void count(int n,student s[])
{
    int i=0,j=0,d=0;
    for(int x=0;x<n;x++)
    {
        if(s[x].ele==1)
            i++;
        else if(s[x].ele==2)
            j++;
        else if(s[x].ele==3)
            d++;
    }
    printf("IOT : %d\nJAVA : %d\nDS : %d",i,j,d);
}

void check(int n,student s[])
{
    int x,c=0;
    char nm[20];

```

```
*mainc - Notepad
File Edit Format View Help
void check(int n,student s[])
{
    int x,c=0;
    char nm[20];
    printf("Enter your selective: ");
    scanf("%d",&x);
    for(int i=0;i<n;i++)
    {
        if(x==s[i].ele)
            c++;
    }
    if(c>0)
    {
        printf("\nReselect your elective\n");
        printf("Enter your name:\n");
        scanf("%s",nm);
        for(int p=0;p<n;p++)
        {
            if(!strcmp(nm,s[p].name))
            {
                printf("Enter new elective: \n");
                scanf("%d",&s[p].ele);
                count(n,s);
                break;
            }
        }
    }
}

void display(int n,student s[])
{
    for(int e=1;e<3;e++)
    {
        printf("\nElective %d\n",e);
        for(int i=0;i<n;i++)
        {
            if(e==s[i].ele)
                printf("%s\t",s[i].name);
        }
    }
}

int main(void)
{
    int n,ch;
    printf("\nEnter the no of students to enter: ");
    scanf("%d",&n);
    student s[n];
    Enter(n,s);
    do
    {
        printf("\n1.CHECK SAME ELECTIVE\n2.COUNT ALL\n3.CHECK\n4.DISPLAY\n5.EXIT\n");
        printf("Enter choice: ");
        scanf("%d",&ch);
        switch(ch)

```

```
*main.c - Notepad
File Edit Format View Help
{printf("Enter new elective: \n");
scanf("%d",&s[p].ele);
count(n,s);
break;
}
}
}
void display(int n,student s[])
{ for(int e=1;e<=3;e++)
{ printf("\nelective %d\n",e);
for(int i=0;i<n;i++)
{ if(e==s[i].ele)
printf("%s\t",s[i].name);
}
}
}
int main(void)
{int n,ch;
printf("Enter the no of students to enter: ");
scanf("%d",&n);
student s[n];
Enter(n,s);
do
{ printf("\n1.CHECK SAME ELECTIVE\n2.COUNT ALL\n3.CHECK\n4.DISPLAY\n5.EXIT\n");
printf("Enter choice: ");
scanf("%d",&ch);
switch(ch)
{ case 1:Same(n,s);
break;
case 2:count(n,s);
break;
case 3:check(n,s);
break;
case 4:display(n,s);
break;
default:if(ch!=5)
printf("Enter valid option:");
}
}while(ch!=5);
return 0;
}
```

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Files main.c

```
main.c
36 case i++>3?j,care++:j;
37 d++;
38 }
39 printf("IOT : %d\nJAVA : %d\nDS : %d",i,j,d);
40 }
41 void check(int n,student s[])
42 { int x,c=0;
43 char nm[20];
44 printf("Enter your selective: ");
45 scanf("%d",&x);
46 for(int i=0;i<n;i++)
47 {if(x==s[i].ele)
48 c++;
49 if(c<30)
50 {printf("\nReselect your elective\n");
51 printf("Enter your name:\n");
52 scanf("%s",nm);
53 for(int p=0;p<n;p++)
54 {if(!strcmp(nm,s[p].name))
55 {printf("Enter new elective: \n");
56 scanf("%d",&s[p].ele);
57 count(n,s);
58 break;
59 }
60 }
61 }
62 void display(int n,student s[])
63 { for(int e=1;e<=3;e++)
64 { printf("\nelective %d\n",e);
65 for(int i=0;i<n;i++)
66 { if(e==s[i].ele)
```

Student 2
clang-7 -pthread -lm -o main main.c
./main
Enter the no of students to enter: 5
The electives are:
1.IOT
2.JAVA
3.DS
Enter student Details(Name, Elective)
Student 1
a
1
Student 2
b
2
Student 3
c
3
Student 4
d
1
Student 5
e
2
1.CHECK SAME ELECTIVE
2.COUNT ALL
3.CHECK
4.DISPLAY
5.EXIT
Enter choice: 3
Enter your selective: 3

7.zip Show all X

17:09 23-09-2020