

```

#include<stdio.h>
struct student{
    char name;
    int choice;
    int choice1;
}st[100];
int main()
{
    int i, n;
    int c1=0;
    int c2=0;
    int c3=0;
    printf("Enter number of students:\n");
    scanf("%d",&n);

    for(i=0;i<n;i++)
    {
        printf("Enter name of student:\n");
        scanf("%s",&st[i].name);
        printf("\n\nThe following are electives:\n");
        printf("1.Internet of things\n2.Advanced java and J2EE\n3.Advanced Data Structures\n");
        printf("\nPlease select your choice from above:\n");
        scanf("%d",&st[i].choice);

        if(st[i].choice==1)
            c1++;

        else if(st[i].choice==2)
            c2++;

        else if(st[i].choice==3)
            c3++;

        else
    }
}

```

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else
    printf("\nINVALID OPTION");
}

printf("\nThe total number of students opting for Internet of things are:%d\n",c1);
printf("The total number of students opting for Advanced java and J2EE are:%d\n",c2);
printf("The total number of students opting for Advanced Data Structures are:%d\n",c3);
if(c1||c2||c3<30)
{
    printf("The number of students are less than 30 for this course, therefore please select an option from the other two c
    for(i=0;i<n;i++){
        printf("\nSelect from the below courses OTHER than the course you had selected before:\n");
        printf("1.Internet of things\n2.Advanced java and J2EE\n3.Advanced Data Structures\n");
        scanf("%d",&st[i].choice);
        if(st[i].choice==1)
            c1++;
        else if(st[i].choice==2)
            c2++;
        else if(st[i].choice==3)
            c3++;
        else
            printf("INVALID INPUT");
    }
    printf("\nThe total number of students opting for Internet of things are:%d\n",c1);
    printf("The total number of students opting for Advanced java and J2EE are:%d\n",c2);
    printf("The total number of students opting for Advanced Data Structures are:%d\n",c3);
}
printf("number of students in Internet of things are: %d\n",c1);

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}
printf("number of students in Internet of Things:\n");
for(int j=0;j<n;j++)
{
    if(st[j].choice==1)
        printf("%s\n",&st[j].name);
}
printf("number of students in Advanced java and J2EE:\n");
for(int j=0;j<n;j++)
{
    if(st[j].choice==2)
        printf("%s\n",&st[j].name);
}
printf("number of students in Advanced Data Structures:\n");
for(int j=0;j<n;j++)
{
    if(st[j].choice==3)
        printf("%s\n",&st[j].name);
}
}

```

Enter number of students:

6

Enter name of student:

amit

The following are electives:

1. Internet of things
2. Advanced java and J2EE
3. Advanced Data Structures

Please select your choice from above:

1

Enter name of student:

ajay

< The following are electives:

1. Internet of things
2. Advanced java and J2EE
3. Advanced Data Structures

Please select your choice from above:

2

Enter name of student:

ayush

The following are electives:

1. Internet of things
2. Advanced java and J2EE
3. Advanced Data Structures

Please select your choice from above:

2

Enter name of student:

ammar

The following are electives:

1. Internet of things
2. Advanced java and J2EE
3. Advanced Data Structures

Please select your choice from above:

1

Enter name of student:

abhi

<

The following are electives:

1. Internet of things
2. Advanced java and J2EE
3. Advanced Data Structures

Please select your choice from above:

3

Enter name of student:

anirudh

The following are electives:

1. Internet of things
2. Advanced java and J2EE
3. Advanced Data Structures

input

Please select your choice from above:

2

The total number of students opting for Internet of things are:2

The total number of students opting for Advanced java and J2EE are:3

The total number of students opting for Advanced Data Structures are:1

The number of students are less than 30 for this course, therefore please select an option from the other two courses

Select from the below courses OTHER than the course you had selected before:

1.Internet of things

2.Advanced java and J2EE

3.Advanced Data Structures

1

Select from the below courses OTHER than the course you had selected before:

1.Internet of things

2.Advanced java and J2EE

3.Advanced Data Structures

2

Select from the below courses OTHER than the course you had selected before:

1.Internet of things

2.Advanced java and J2EE

3.Advanced Data Structures

1

Select from the below courses OTHER than the course you had selected before:

1.Internet of things

2.Advanced java and J2EE

3.Advanced Data Structures

3

Select from the below courses OTHER than the course you had selected before:


```
1.Internet of things
2.Advanced java and J2EE
3.Advanced Data Structures
3
```

Select from the below courses OTHER than the course you had selected before:

```
1.Internet of things
2.Advanced java and J2EE
3.Advanced Data Structures
1
```

Select from the below courses OTHER than the course you had selected before:

```
1.Internet of things
2.Advanced java and J2EE
3.Advanced Data Structures
2
```

The total number of students opting for Internet of things are:5

The total number of students opting for Advanced java and J2EE are:5

The total number of students opting for Advanced Data Structures are:2

students in Internet of Things:

```
amit
ayush
abhi
```

students in Advanced java and J2EE:

```
ajay
anirudh
```

students in Advanced Data Structures:

```
ammar
```

...Program finished with exit code 0