

7. #include <stdio.h>

struct course

{

char name[50];

};

int main()

{

struct course s[3][100];

int n, i, j, c[3] = {0, 0, 0}, choice;

char cn[3][50] = {"IoT", "JAVA", "DS"};

printf("Enter number of students: \n");

scanf("%d", &n);

printf("Enter student details: \n");

for (i = 0; i < n; i++)

{

printf("----- \n");

printf("Press code to select course: \n1. INTERNET
OF THINGS \n2. ADVANCED JAVA and J2EE \n3.
ADVANCED DATA STRUCTURES \n");

scanf("%d", &choice);

if (choice < 0 || choice > 3)

{

printf("Invalid choice! \n");

continue;

}

```

printf("Enter name of student %d\n", i+1);
scanf("%s", &s[choice-1][choice-1].name);
choice-1++;
}

```

```

}
disp:
for(i=0; i<3; i++)

```

```

{
    if (c[i] >= 0)

```

```

{
    printf("List of students of course %s:\n", c[i]);
    for(j=0; j<c[i]; j++)

```

```

{
    printf("%d) %s\n", j+1, s[i][j].name);
}

```

```

}
printf("Number of students in the course %s is %d\n", c[i], i);
}

```

```

}

```

```

}

```

```

for(i=0; i<3; i++)

```

```

{

```

```

    if (c[i] < 3 && c[i] != -1)

```

```

{

```

```

    printf("Number of peoples less than 3 in course %s, so the students in the course %s

```

```

Please change the course: \n", c[i], c[i]);

```



```
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", &choice)[C[choice-i].name];
```

```
C[choice-i]++;
```

```
}
```

```
n = C[i];
```

```
C[i] = -1;
```

```
goto disp;
```

```
}
```

```
}
```

```
return 0;
```

```
}
```