7) Choice of elective:

```
#include <stdio.h>
struct course
{
    char name[20];
};
int main()
{
  struct course s[3][100];
  int i,j,n,c[3]={0,0,0}, choice;
  char cn[3][10] = {"IOT", "JAVA", "DS"};
  printf("Enter the 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 \n 2. Advanced Java And J2EE\n 3. Advanced
    data structures \n");
    scanf("%d", &choice);
    if(choice<0 || choice>3)
    {
      printf("Invalid choice\n");
      continue;
    }
```

```
printf ("Enter name of the student %d\n", i+1);
scanf ("%s", &s[choice-1][c[choice-1]].name);
c[choice-1]++;
}
disp:
for(i=0; i<3; i++)
{
    if(c[i]>=0)
    {
    printf ("List of students of course %s: \n", cn[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", cn[i], j);
    }
}
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 %s please change the
course : \n", cn[i], cn[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", &s[choice-1][c[choice-1]].name);
  c[choice-1]++;
}
```

```
        n=c[i];
        c[i]=-1;
        goto disp;
      }
    }
    return 0;
    }
```