7) Count the no. of students registered for 3 elective courses. Accept names of n students, their choice of the elective.

1. Accept say x from user. Display names of students who opted for elective x.
2. Count and display the total no. of students in each elective.
3. if count less than 5, inform the course will not be floated and ask the students who have opted the course to reselect their electives from the other two. Count and display the counts again
4. Display the name of students in each electives.

```
#include <stdio.h>
int main()
{
 int  d[3], i=-1, j=-1, k=-1, e, p, x;
 char  a[30][30], b[30][30], c[30][30];
do
 {
  printf("enter the Elective no. \n 1. DOT \n 2. JAVA \n
        3. datastructure \n 4. stop \n ");
  scanf("%d", &e);
   printf("enter name \t");
   if (e==1)
   {
    i++;
  scanf("%s", a[i]);
   }
   if (e==2)
   {
    j++;
    scanf("%s", b[j]);
   }
   if (e==3)
   {
    k++;
    scanf("%s", c[k]);
   }
} while (e!=4);
```

```
if (i<2)
{
printf ("the below mentioned student chose
        other electives 2& 3 \t");
for(p=0 ; p<=i ; p++)
  {
    printf ("%s", a[p]);
    scanf ("%d", &e);
    if (e==2)
    {
      printf("enter your name\t");
      j++;
      scanf ("%s", b[j]);
    }
    if(e==3)
    {
      printf("enter your name \t");
      k++;
      scanf("%s", c[k]);
    }
} }
```

```
if (j<3)
{
printf (" the below mentioned students chose any other
        elective 1 & 3\t ");
for(p=0; p<=j ; p++)
  {
    printf ("%s", b[p]);
    scanf ("%d", &e);
    if (e==1)
    {
    printf ("enter your name\t");
    i++;
    scanf ("%s", a[i]);
    }
    if (e==3)
    {  printf ("enter name");
       k++;
       scanf ("%s", c[k]);
    }
}
```

```
if (k<2)
{
printf("the below students chose another elective
                1 & 2\t");
for(p=0; p<=k; p++)
  {
    printf("%s", c[p]);
    scanf("%d", &e);
  if(e == 1)
    {
      printf("enter name");
      i++;
      scanf("%s", a[i]);
    }
  if(e == 2)
    {
      printf("enter name");
      j++;
      scanf("%s", a[j]);
    }
  }
}
```