Divite a c program to went the number of students registered for three elective courses. Accept the names of n students, their choice of the elective (Say, the electives rourses offered are Internet of Things, Advanced gava and TZEE and Advanced Data steuctures). Include the following operations: O Accept say in from the weer. Display the names of the students who have optical for elective is (2) Court and display the total number of students present in each elective.

1) If want is less than 30, inform that the rouse will not be floated and ask the slutents who have opted the source to reselect their lectives from the other two bount and display the counts again. (a) Display the name of the students in each electric (NOTE: In order to check the 3rd condition, or the given limit is 30, a very huge data need to be given as the input. So to avoid this, I have considered the limit to be 3] #include < stdio , h> struct course char rame [20]; int maines stuct source S[3][100] int n, i, j, c[3] = 20,0,0 f, choice; Now cn[3] [10] = { " (ot", "JAVA", " DS"} print ("Enter number of students: \n"); marf ("-(-d", &N);

prints ("Enter student details:\n");
for (izo; i<n; (++) prints ("---- \n"). frint !" Press rode to select course: \n 1. Inter of things in 2, Advanced gara and JZEFIN3. Advanced Dota structures (n'"); scarf ("1.d", & choice); if (whoice < 0 11 choice > 3) prints (" Invalid choice!\n"); continue; prints ("Enter the same of the student !d in", scanf ("'/'s", & & [choice-1] [c [choice-1]]. rame); c[shoice-1]++; disp:

for(i=0; i<3; i+d) if (cCi'J>=6)

prints ("List of xtudents of course 1's: \n", cn()) for (j-0;j<cl2);j++) prints ("/d)%s\n",j+1,Sci)[J. name); prints ("Number of students in the rouse 1/s is obdin", cn[i],j); totales de for (izo; iz3; i++) guil don q (cci] <3 22 cci]!=-1) prints I" Number of people less than 3 in course · l's, so the students in the source · l's please change the rouse: \n", cn[i], cn[i]); for (j-o)j<cli); j++ prints ("Eente rouse vode: \n"); scarfl" . I. d", schoice);

if (choice == i+1) as probabilis ja sist") than, Dorale prints (" Enter other course !\n"); continue; (ran (J. 1) s. 1+1. " N. 2 of p. f.) trans print ("Enter name: \n''); scanf ("1's", & st choice - 1] [cfchoice - 1], rome] c [hoice-1]++; ([,[]])) 小=c[i]; c[i]=-1; ((=0, 123; 1+1) goto disp; d (cer) 33 xx (cr) = -) returno; sel algor for whomeh ") they scarfi" h. d" , b. dece);