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#include <stdio.h>
#include
struct course {
    char name[20];
} s[4][100];
void main() {
    int n, i, j, c[4] = {0, 0, 0, 0}, choice;
    char c[4][10] = {"IOT", "JAVA", "J2EE", "OS"};
    printf("Enter no. 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: \n 1) IOT \n 2) ADV JAVA \n 3) J2EE \n 4) DATA STRUCTURES \n");
        scanf("%d", &choice);
        if (choice < 0 || choice > 4) {
            printf("INVALID CHOICE!");
            continue;
        }
        printf("Enter name of student %d: \n", i+1);
        scanf("%s", &s[choice-1][c[choice-1].name]);
        c[choice-1]++;
    }
}
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disp

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for (i=0; i<4; i++) {

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    if (c[i] == 0) {

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        printf("LIST OF STUDENTS OF COURSE %s:\n", c[i]);

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        for (j=0; j<c[i]; j++) {

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

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        }

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    }

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for (i=0; i<4; i++) {

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    if (i == 0) {

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        if ((c[0] > 4) || (c[0] == -1) && ((c[1] > 4) || (c[1] == -1)) &&

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        ((c[2] > 4) || (c[2] == -1)) && ((c[3] > 4) || (c[3] == -1)))

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        { exit(0);

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        }

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}

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if (c[i] < 4 && c[i] != -1) {

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    printf("Number of ppl less than 4 in course %s, please
    change course:\n", c[i]);

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    for (j=0; j<c[i]; j++) {

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        printf("Enter course code:\n");

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        scanf("%d", &choice);

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        if (choice == i+1) {

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            printf("Enter other course!\n");

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            continue;

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        }

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printf("Enter name: ");
scanf("%s", &s[choice-1][c[choice-1].name];
    (c[choice-1]++);
}
n = c[n];
c[n] = -1;
}
}
goto dsp;
}

```