#include <stdio.h>

#include <string.h>

//Khrys Zarleous L. Delim

//BSCS 1-YB-2

//Machine Problem 5: Structures

//Mrs. Mhariz Gonze Chua

struct Student {

char name[50];

int num\_cou;

struct Course {

char code[10];

char title[50];

int score;

} courses[10];

};

void uppercase(char \*str) {

while (\*str) {

\*str = toupper((unsigned char) \*str);

str++;

}

}

int main(){

int num\_stud;

int i,j;

printf("Enter number of students: ");

scanf("%d", &num\_stud);

struct Student students[num\_stud];

for(i = 0; i < num\_stud; i++){

printf("\nStudent %d Name: ", i+1);

scanf(" %[^\n]s", &students[i].name);

printf("Enter Number of Courses of %s: ", students[i].name);

scanf("%d", &students[i].num\_cou);

for (j = 0; j < students[i].num\_cou; j++) {

printf("Enter Course Code%d: ", j + 1);

scanf("%s", students[i].courses[j].code);

if (strcmp(students[i].courses[j].code, "MAT101") == 0) {

strcpy(students[i].courses[j].title, "General Mathematics");

} else if (strcmp(students[i].courses[j].code, "COMP101") == 0) {

strcpy(students[i].courses[j].title, "Computer Programming");

} else if (strcmp(students[i].courses[j].code, "ENG101") == 0) {

strcpy(students[i].courses[j].title, "Basic English");

} else if (strcmp(students[i].courses[j].code, "SCI101") == 0) {

strcpy(students[i].courses[j].title, "Introduction to Science");

} else if (strcmp(students[i].courses[j].code, "FIL101") == 0) {-

strcpy(students[i].courses[j].title, "Komunikasyon sa Filipino");

}

printf("Course Title: %s\n", students[i].courses[j].title);

printf("Score: ");

scanf("%d", &students[i].courses[j].score);

printf("\n");

}

}

printf("\nSUMMARY:\n");

for(i = 0; i < num\_stud; i++){

printf("Student's Name: %s\n", students[i].name);

printf("Courses Enrolled: ");

for(j = 0; j < students[i].num\_cou; j++){

uppercase(students[i].courses[j].title);

printf("%s", students[i].courses[j].title);

if(j < students[i].num\_cou - 1)

printf(", ");

}

printf("\nAverage Scores: ");

float ave\_score = 0;

for (j = 0; j < students[i].num\_cou; j++){

ave\_score += students[i].courses[j].score;

}

printf("%.2f\n", ave\_score / students[i].num\_cou);

}

return 0;

}





