programs for nested structure

#include <stdio.h>

struct PersonalInfo {

char name[50];

int age;

};

struct AcademicInfo {

int rollNumber;

char branch[50];

float cgpa;

};

struct Student {

struct PersonalInfo personalInfo;

struct AcademicInfo academicInfo;

};

void displayStudent(struct Student student) {

printf("Name: %s\n", student.personalInfo.name);

printf("Age: %d\n", student.personalInfo.age);

printf("Roll Number: %d\n", student.academicInfo.rollNumber);

printf("Branch: %s\n", student.academicInfo.branch);

printf("CGPA: %.2f\n", student.academicInfo.cgpa);

printf("\n");

}

int main() {

struct Student student1 = {

.personalInfo = {"haasini", 20},

.academicInfo = {12345, "Computer Science", 8.5}

};

struct Student student2 = {

.personalInfo = {"Alina", 19},

.academicInfo = {54321, "Electrical Engineering", 7.9}

};

displayStudent(student1);

displayStudent(student2);

return 0;

}

OUTPUT:

Name: haasini

Age: 20

Roll Number: 12345

Branch: Computer Science

CGPA: 8.50

Name: Alina

Age: 19

Roll Number: 54321

Branch: Electrical Engineering

CGPA: 7.90