***Structure program***

#include <stdio.h>

struct student {

int slno;

int subject[5];

};

int main(){

int l, s, sum\_sub[5], avg\_sub[5], highest[5];

int high\_stud[10];

struct student student[5];

int n=5; //number of students

for (int i = 0; i < n; i++) {

printf("\nEnter sl.no. of student:");

scanf("%d",&(student[i].slno));

for (int j = 0; j < 5; j++) {

printf("Enter marks for subject %d: ",j+1);

scanf("%d",&(student[i].subject[j]));

}

}

for (int i = 0; i < n; i++) {

sum\_sub[i]=0;

for (int j = 0; j < 5; j++) {

sum\_sub[i] = sum\_sub[i] + student[i].subject[j];

}

avg\_sub[i] = sum\_sub[i]/5;

printf("Avg marks for subject %d: %d\n",i+1,avg\_sub[i]);

}

for (int i = 0; i < 5; i++) {

//high\_sub[i]=0;

for (int j = 0; j < n-1; j++) {

if (student[j].subject[i]<student[j+1].subject[i]){

highest[i] = student[j+1].subject[i];

high\_stud[i] = j+1;

}

else{

highest[i] = student[j].subject[i];

high\_stud[i] = j;

}

//high\_sub[i] = sum\_sub[i] + student[i].subject[j];

}

}

for (int h = 0; h < 5; h++) {

printf("Highest marks for subject %d: %d by student %d\n",h+1,highest[h],high\_stud[h]);

}

return 0;

}

