***VOLOUME 11***

#include<stdio.h>

int main()

{

int number,subject;

**///\*\*\*\*\*\*\*this array for Grade points**

float student\_course[20][20];

**///\*\*\*\*\*\*variable for calculate cgpa**

float student\_cgpa[20];

**///this variable for maximum to minimum cgpa**

float max1,max2,max3,max4,max5,max6,max7,max8,max9,max10;

int location1,location2,location3,location4,location5,location6,location7,location8,location9,location10;

**///this variable is for loop**

int student,course,calculation,result,counter,delet;

printf("How Many Student are you calculation cgpa\n");

scanf("%d",&number);

printf("How many Subject Per Student\n");

scanf("%d",&subject);

**///this loop is for student count**

for(student=0; student<number; student++)

{

**///this loop is for course count**

for(course=0; course<subject; course++)

{

printf("Enter %d student %d course\n",student+1,course+1);

scanf("%f",&student\_course[student][course]);

}

}

**///this loop is calculation cgpa**

for(calculation=0; calculation<number; calculation++)

{

for(student=0; student<number; student++)

{

student\_cgpa[student]=0;

for(course=0; course<subject; course++)

{

student\_cgpa[student]=student\_cgpa[student]+student\_course[student][course]\*3;

}

student\_cgpa[student]=student\_cgpa[student]/(float)(subject\*3);

}

}

**///printout 10 student cgpa with array and loop**

for(result=0; result<number; result++)

{

printf("%d Student CGPA is %.2f\n",result+1,student\_cgpa[result]);

}

**///1st maximum find**

max1=student\_cgpa[0];

for(counter=0;counter<number;counter++){

if(student\_cgpa[counter]>max1){

max1=student\_cgpa[counter];

location1=counter+1;

}

}

printf("Maximum cgpa is %d student = %.2f\n",location1,max1);

**///2nd Maximum Find**

for(delet=location1;delet<number-1;delet++){

student\_cgpa[delet]=student\_cgpa[delet+1];

}

max2=student\_cgpa[0];

for(counter=0;counter<number-1;counter++){

if(student\_cgpa[counter]>max2){

max2=student\_cgpa[counter];

location2=counter+1;

}

}

printf("2nd Maximum cgpa is %d Student = %.2f\n",location2,max1);

**///3rd Maximum Find**

for(delet=location2;delet<number-2;delet++){

student\_cgpa[delet]=student\_cgpa[delet+1];

}

max3=student\_cgpa[0];

for(counter=0;counter<number-2;counter++){

if(student\_cgpa[counter]>max3){

max3=student\_cgpa[counter];

location3=counter+1;

}

}

printf("3rd Maximum cgpa is %d Student = %.2f\n",location3,max3);

**///4th Maximum Find**

for(delet=location3;delet<number-3;delet++){

student\_cgpa[delet]=student\_cgpa[delet+1];

}

max4=student\_cgpa[0];

for(counter=0;counter<number-3;counter++){

if(student\_cgpa[counter]>max4){

max4=student\_cgpa[counter];

location4=counter+1;

}

}

printf("4th Maximum cgpa is %d Student = %.2f\n",location4,max4);

**///5th Maximum Find**

for(delet=location4;delet<number-4;delet++){

student\_cgpa[delet]=student\_cgpa[delet+1];

}

max5=student\_cgpa[0];

for(counter=0;counter<number-1;counter++){

if(student\_cgpa[counter]>max5){

max5=student\_cgpa[counter];

location5=counter+1;

}

}

printf("5th Maximum cgpa is %d Student = %.2f\n",location5,max5);

**///6th Maximum Find**

for(delet=location5;delet<number-5;delet++){

student\_cgpa[delet]=student\_cgpa[delet+1];

}

max6=student\_cgpa[0];

for(counter=0;counter<number-5;counter++){

if(student\_cgpa[counter]>max6){

max6=student\_cgpa[counter];

location6=counter+1;

}

}

printf("6th Maximum cgpa is %d Student = %.2f\n",location6,max6);

**///7th Maximum Find**

for(delet=location6;delet<number-6;delet++){

student\_cgpa[delet]=student\_cgpa[delet+1];

}

max7=student\_cgpa[0];

for(counter=0;counter<number-6;counter++){

if(student\_cgpa[counter]>max7){

max7=student\_cgpa[counter];

location7=counter+1;

}

}

printf("7th Maximum cgpa is %d Student = %.2f\n",location7,max7);

**///8th Maximum Find**

for(delet=location7;delet<number-7;delet++){

student\_cgpa[delet]=student\_cgpa[delet+1];

}

max8=student\_cgpa[0];

for(counter=0;counter<number-7;counter++){

if(student\_cgpa[counter]>max8){

max8=student\_cgpa[counter];

location8=counter+1;

}

}

printf("8th Maximum cgpa is %d Student = %.2f\n",location8,max8);

**///9th Maximum Find**

for(delet=location8;delet<number-8;delet++){

student\_cgpa[delet]=student\_cgpa[delet+1];

}

max9=student\_cgpa[0];

for(counter=0;counter<number-8;counter++){

if(student\_cgpa[counter]>max9){

max9=student\_cgpa[counter];

location9=counter+1;

}

}

printf("9th Maximum cgpa is %d Student = %.2f\n",location9,max9);

**///10th Maximum Find**

for(delet=location9;delet<number-9;delet++){

student\_cgpa[delet]=student\_cgpa[delet+1];

}

max10=student\_cgpa[0];

for(counter=0;counter<number-9;counter++){

if(student\_cgpa[counter]>max10){

max10=student\_cgpa[counter];

location10=counter+1;

}

}

printf("10th Maximum cgpa is %d Student = %.2f\n",location10,max10);

return 0;

}