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    COP 3223C

    Assignment 9

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#include <stdio.h>

#define ROWS 4

#define COLS 5

int main()

{

    //  Code for Students Grades from User Input

    int studentGrades[ROWS][COLS];

    for(int i = 0; i < ROWS; i++)

    {

        for(int j = 0; j < COLS; j++)

        {

            printf("Student Grades: Row[%d] Col[%d] = ", i,j);

            scanf("%d", &studentGrades[i][j]);

            studentGrades[i][j];

        }

    }

    printf("\n");

    for(int i = 0; i < ROWS; i++)

    {

        for(int j = 0; j < COLS; j++)

        {

            printf("%d ", studentGrades[i][j]);

        }

        printf("\n");

    }

    printf("\n");

    // Code for Average Score for Students 1 through 4

    int Row;

    int Col;

    double Total;

    double Average;

    for(Row = 0; Row < 4; Row++)

        {

            Total = 0;

            for(Col = 0; Col < 5; Col++)

            {

                Total+= studentGrades[Row][Col];

            }

            Average = Total/Col;

            printf("The average score for Student %d is %.2lf\n",Row + 1, Average);

        }

        printf("\n");

    // Code for Average Score for Each Quiz

        for(int i = 0; i < Col; i++)

        {

            Total = 0;

            for(int j = 0; j < Row; j++)

            Total+= studentGrades[j][i];

            Average = Total/Row;

            printf("The average score for Quiz %d is %.2f\n",i + 1, Average);

        }

        printf("\n");

    // Code for Average Score for all Students and Quizzes

    double Sum = 0;

    for(int i = 0; i < Row; i++)

        {

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

            {

                Sum += studentGrades[i][j];

            }

        }

    Average = Sum/(Row \* Col);

    printf("The average score for all Students in all Quizzes is %.2f\n",Average);

}

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