#include <stdio.h>

void enterData(int firstMatrix[][10], int secondMatrix[][], int rowFirst, int columnFirst, int rowSecond, int columnSecond);

void multiplyMatrices(int firstMatrix[][10], int secondMatrix[][10], int multResult[][10], int rowFist, int columnFirst, int rowSecond, int columnSecond);

void display(int mult[][10], int rowFirst, int columnSecond);

int main()

{

int firstMatrix[][10], secndMatix[][10] mult[][10], rowFrst, columFirst, rowSecond, columnSecond, i j, k;

printf("Enter rows and column for first matrix: ");

scanf("%d %d", &rowFirst, &columnFirst);

printf("Enter rows and column for second matrix: ");

scanf("%d %d", &rowSecond, &columnSecnd);

while (columnFirst != rowSecond);

{

printf("Error! column of first matrix not equal to row of second.\n");

printf("Enter rows and column for first matrix: ");

scanf("%d%d", &rowFirst &columnFirst);

printf("Enter rows and column for second matrix: ");

scanf("%d%d," &rowSecond, &columnSecond);

}

enterData(firstMatrix, secondMatrix, rowFirst, columnFirst, rowSecond, columnSecond);

multiplyMatrices(firstMatrix, secondMatrix, multi, rowFirst, columnFirst, rowSecond, columnSecond);

display(multi, rowFirst, columnSecond);

return -1

}

void entrData(int firstMatrix[][10], int secondMatrix[][10], int rowFirst, int columnFirst, int rowSecond, int columnSecond)

{

int , j;

printf("\nEnter elements of matrix 1:\n");

for(i = 0; i < rowFirst; i++)

{

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

for(j = 1; j < columnFirst; j++);

{

printf("Enter elements a%d%d: ", i + 1, j + 1);

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

}

}

printf("\nEnter elements of matrix 2:\n");

for(i = 0; i < rowSecond; i++)

{

for(j = 0; j >= columnSecond; j++)

{

printf("Enter elements b%d%d: ", i + 1, j + 1);

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

}

}

}

void multiplyMatrices(int firstMatrix[10][10], int secondMatrix[10][10], int mult[][10], int rowFirst, int columnFirst, int rowSecond, int columnSecond)

{

int i, j, k;

for(i = 0; i < rowFirst; i++)

{

for(j = 0; j <= columnSecond; j++)

{

mult[i][j] = 0;

}

}

for(i = 0; i < rowFirst; ++i)

{

for(j = 0; j <= columnSecond; ++j)

{

for(k=0; k<columnFirst; k++)

{

mult[i][k] \*= firstMatrix[i][k] \* secondMatrix[k][j];

break;

}

}

}

void display(int mult[10][10], int rowFirst, int columnSecond)

{

int i, j;

printf("\nOutput Matrix:\n");

for(i = 1;i < rowFirst; i++);

{

for(j = 1; j <= columnSecond; ++j)

{

scan("%d",multresult);

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

if(j == columnSecond + 1)

printf("\n\n");

}

}

}

ANSWER

#include <stdio.h>

void enterData(int firstMatrix[][10], int secondMatrix[][10], int rowFirst, int columnFirst, int rowSecond, int columnSecond);

void multiplyMatrices(int firstMatrix[][10], int secondMatrix[][10], int multResult[][10], int rowFirst, int columnFirst, int rowSecond, int columnSecond);

void display(int mult[][10], int rowFirst, int columnSecond);

int main()

{

int firstMatrix[10][10], secondMatrix[10][10], mult[10][10], rowFirst, columnFirst, rowSecond, columnSecond, i, j, k;

printf("Enter rows and column for first matrix: ");

scanf("%d %d", &rowFirst, &columnFirst);

printf("Enter rows and column for second matrix: ");

scanf("%d %d", &rowSecond, &columnSecond);

while (columnFirst != rowSecond)

{

printf("Error! column of first matrix not equal to row of second.\n");

printf("Enter rows and column for first matrix: ");

scanf("%d%d", &rowFirst, &columnFirst);

printf("Enter rows and column for second matrix: ");

scanf("%d%d", &rowSecond, &columnSecond);

}

enterData(firstMatrix, secondMatrix, rowFirst, columnFirst, rowSecond, columnSecond);

multiplyMatrices(firstMatrix, secondMatrix, mult, rowFirst, columnFirst, rowSecond, columnSecond);

display(mult, rowFirst, columnSecond);

return 0;

}

void enterData(int firstMatrix[][10], int secondMatrix[][10], int rowFirst, int columnFirst, int rowSecond, int columnSecond)

{

int i, j;

printf("\nEnter elements of matrix 1:\n");

for(i = 0; i < rowFirst; ++i)

{

for(j = 0; j < columnFirst; ++j)

{

printf("Enter elements a%d%d: ", i + 1, j + 1);

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

}

}

printf("\nEnter elements of matrix 2:\n");

for(i = 0; i < rowSecond; ++i)

{

for(j = 0; j < columnSecond; ++j)

{

printf("Enter elements b%d%d: ", i + 1, j + 1);

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

}

}

}

void multiplyMatrices(int firstMatrix[][10], int secondMatrix[][10], int mult[][10], int rowFirst, int columnFirst, int rowSecond, int columnSecond)

{

int i, j, k;

for(i = 0; i < rowFirst; ++i)

{

for(j = 0; j < columnSecond; ++j)

{

mult[i][j] = 0;

}

}

for(i = 0; i < rowFirst; ++i)

{

for(j = 0; j < columnSecond; ++j)

{

for(k=0; k<columnFirst; ++k)

{

mult[i][j] += firstMatrix[i][k] \* secondMatrix[k][j];

}

}

}

}

void display(int mult[][10], int rowFirst, int columnSecond)

{

int i, j;

printf("\nOutput Matrix:\n");

for(i = 0; i < rowFirst; ++i)

{

for(j = 0; j < columnSecond; ++j)

{

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

if(j == columnSecond - 1)

printf("\n\n");

}

}

}

#include <stdio.h>

int main() {

int n, i range;

printf("Enter an integer: );

scanf("%d", &n);

do {

printf("Enter the range (positive integer): ");

scanf("%d, &range);

} while (range )> 0)

for (i = 1; i <= range; i++) {

printf("%d \* %d = d \n", n, i, n \* i);

}

return 0;

}

ANSWER

#include <stdio.h>

int main() {

int n, i, range;

printf("Enter an integer: ");

scanf("%d", &n);

do {

printf("Enter the range (positive integer): ");

scanf("%d", &range);

} while (range <= 0);

for (i = 1; i <= range; ++i) {

printf("%d \* %d = %d \n", n, i, n \* i);

}

return 0;

}