#include <stdio.h>

#define N 3

void matrixMultiplication(int mat1[N][N], int mat2[N][N], int result[N][N]) {

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

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

result[i][j] = 0;

for (int k = 0; k < N; k++) {

result[i][j] += mat1[i][k] \* mat2[k][j];

}

}

}

}

void displayMatrix(int matrix[N][N]) {

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

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

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

}

printf("\n");

}

}

int main() {

int mat1[N][N] = {{1, 2, 3}, {4, 5, 6}, {7, 8, 9}};

int mat2[N][N] = {{9, 8, 7}, {6, 5, 4}, {3, 2, 1}};

int result[N][N];

matrixMultiplication(mat1, mat2, result);

printf("Matrix 1:\n");

displayMatrix(mat1);

printf("\nMatrix 2:\n");

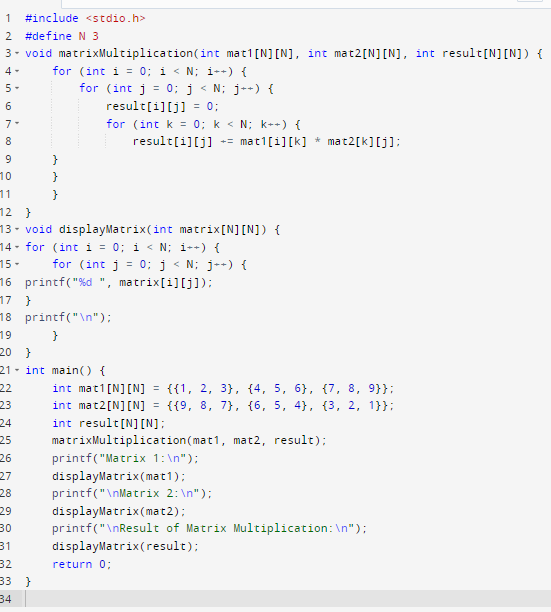
displayMatrix(mat2);

printf("\nResult of Matrix Multiplication:\n");

displayMatrix(result);

return 0;

}



A screenshot of a computer

Description automatically generated