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Write a C program to perform Matrix Multiplication
#include <stdio.h>
#define ROW1 2
#define COL1 2
#define ROW2 2
#define COL2 2
int main() {
  int matrix1[ROW1][COL1] = {{1, 2}, {3, 4}};
  int matrix2[ROW2][COL2] = {{1, 0}, {0, 1}};
  int result[ROW1][COL2];
  for (int i = 0; i < ROW1; i++) {
     for (int j = 0; j < COL2; j++) {
       result[i][j] = 0;
       for (int k = 0; k < COL1; k++) {
          result[i][j] += matrix1[i][k] * matrix2[k][j];
  printf("Result of Matrix Multiplication:\n");
  for (int i = 0; i < ROW1; i++) {
     for (int j = 0; j < COL2; j++) {
        printf("%d ", result[i][j]);
     printf("\n");
  return 0;
```