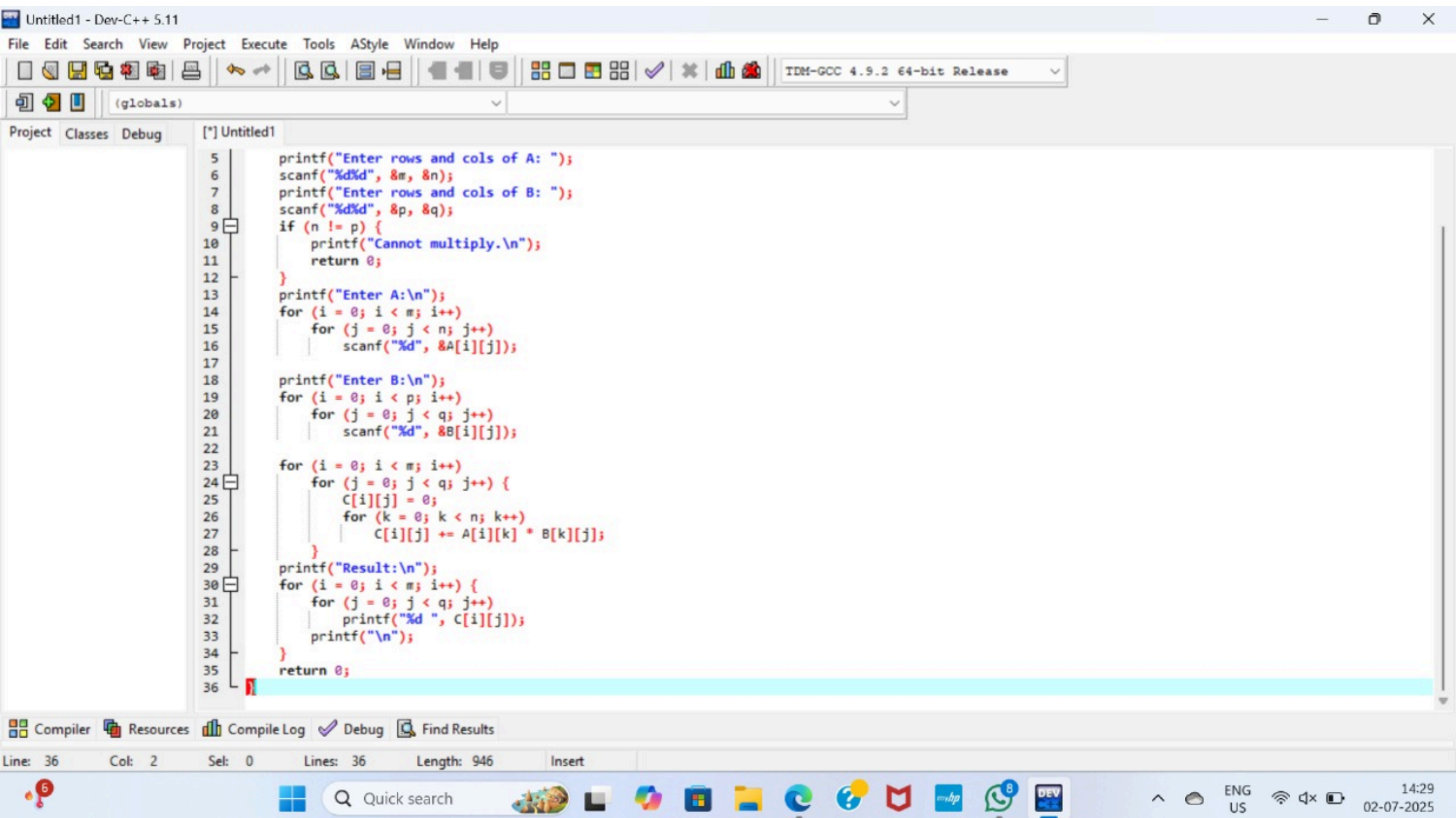


```
1 #include <stdio.h>
2 int main()
3 {
4     int A[10][10], B[10][10], C[10][10];
5     int m, n, p, q, i, j, k;
6     printf("Enter rows and cols of A: ");
7     scanf("%d%d", &m, &n);
8     printf("Enter rows and cols of B: ");
9     scanf("%d%d", &p, &q);
10    if (n != p) {
11        printf("Cannot multiply.\n");
12        return 0;
13    }
14    printf("Enter A:\n");
15    for (i = 0; i < m; i++)
16        for (j = 0; j < n; j++)
17            scanf("%d", &A[i][j]);
18    printf("Enter B:\n");
19    for (i = 0; i < p; i++)
20        for (j = 0; j < q; j++)
21            scanf("%d", &B[i][j]);
22
23    for (i = 0; i < m; i++)
24        for (j = 0; j < q; j++) {
25            C[i][j] = 0;
26            for (k = 0; k < n; k++)
27                C[i][j] += A[i][k] * B[k][j];
28        }
29    printf("Result:\n");
30    for (i = 0; i < m; i++) {
31        for (j = 0; j < q; j++)
32            printf("%d ", C[i][j]);
33        printf("\n");
34    }
```





```
C:\Users\Deekshitha Reddy\O  ×  +  ▾  
Enter rows and cols of A: 2 1  
Enter rows and cols of B: 1  
2  
Enter A:  
2 3  
Enter B:  
4 2  
Result:  
8 4  
12 6  
  
-----  
Process exited after 17.83 seconds with return value 0  
Press any key to continue . . . |  
  
Col: 2  Sel: 0  Lines: 36  Length: 946  Insert  Done parsing in 0.282 seconds  
Quick search  ENG US  02-07-
```