p=int(input(**"Enter row value"**))  
q=int(input(**"Enter col value"**))  
  
  
print(**"Enter the elements for the matrix"**)  
matrix=[[int(input()) for i in range(p)] for j in range(q)]  
  
print(**"Matrix: "**)  
for i in range(p):  
 for j in range(q):  
 print(matrix[i][j],end=**" "**)  
 print()  
  
  
result=[[0 for i in range(p)] for j in range(q)]  
  
for i in range(q):  
 for j in range(p):  
 result[i][j]=matrix[j][i]  
 print()  
  
  
print(**"Result: "**)  
for i in range(q):  
 for j in range(p):  
 print(result[i][j],end=**" "**)  
 print()