**#include <stdio.h>**

**int main(){**

**int n;**

**printf("Enter the number of rows and columns");**

**scanf("%d",&n);**

**printf("Enter the array\n");**

**int i;**

**int array[n][n];**

**for(i=0;i<n;i++){**

**int j;**

**for(j=0;j<n;j++){**

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

**}**

**}**

**int k;**

**for(i=0;i<n;i++){**

**int j;**

**for(j=0;j<n;j++){**

**for(k=0;k<n;k++){**

**if(j!=k && array[j][i]!=0 && array[i][k]!=0){**

**if(array[j][k]==0){**

**array[j][k]=array[j][i]+array[i][k];**

**}**

**else{**

**if(array[j][k]>array[j][i]+array[i][k]){**

**array[j][k]=array[j][i]+array[i][k];**

**}**

**}**

**}**

**}**

**}**

**}**

**printf("The matrix is \n");**

**for(i=0;i<n;i++){**

**int j;**

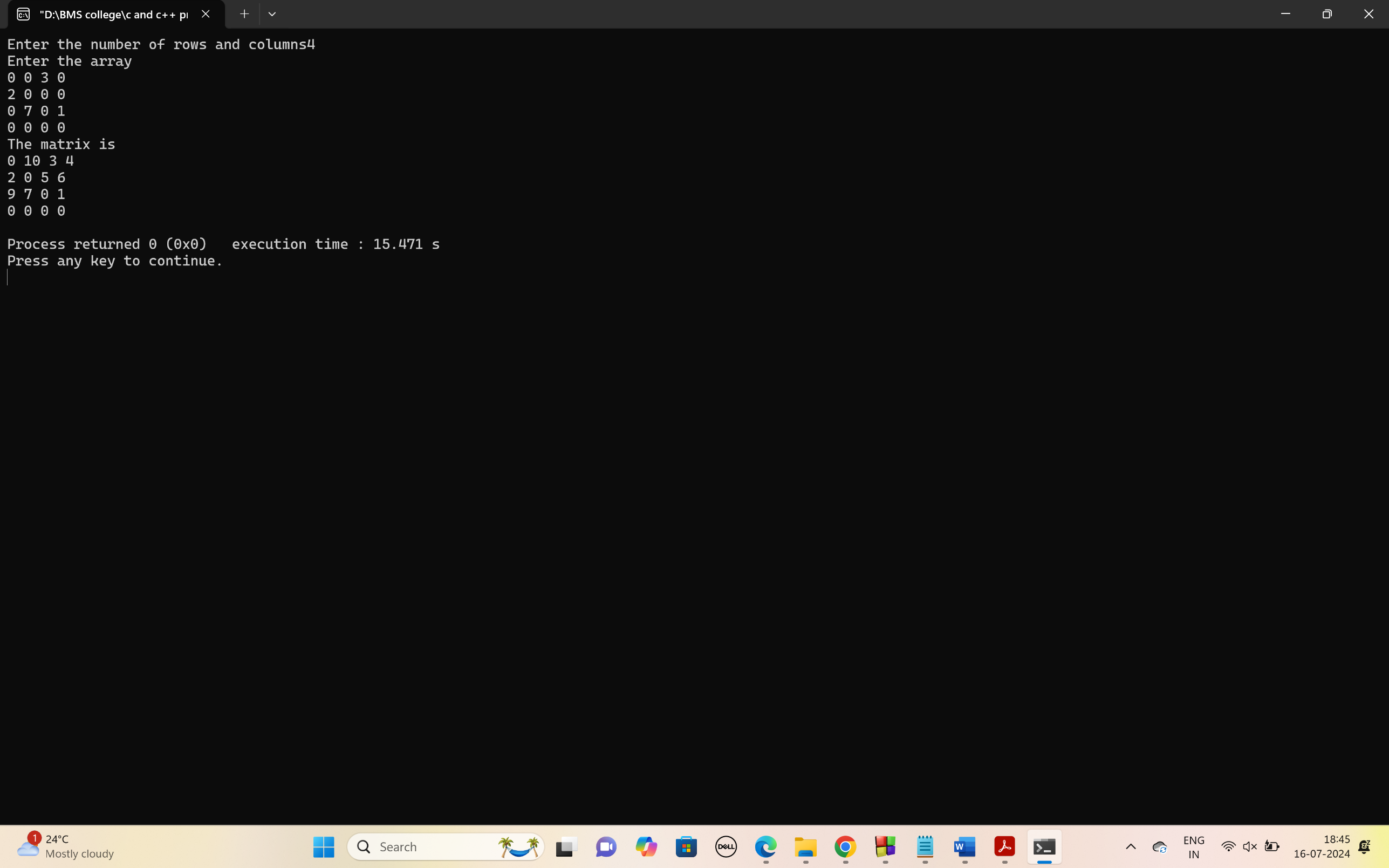
**for(j=0;j<n;j++){**

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

**}**

**printf("\n");**

**}**

**}**