**#include <stdio.h>**

**#include <stdlib.h>**

**void topologicalsort(int \*\*a, int n, int \*s){**

**int i;**

**int j;**

**int g;**

**int indegree[n];**

**int visited[n];**

**g=0;**

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

**indegree[i]=0;**

**visited[i]=0;**

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

**indegree[i]=indegree[i]+a[j][i];**

**}**

**}**

**while(g<n){**

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

**if(indegree[i]==0 && visited[i]==0){**

**break;**

**}**

**}**

**if(i<n){**

**s[g]=i;**

**g=g+1;**

**visited[i]=1;**

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

**if(a[i][j]==1){**

**indegree[j]=indegree[j]-1;**

**}**

**}**

**}**

**else{**

**s[g]=-1;**

**return;**

**}**

**}**

**}**

**int main(){**

**printf("Enter the number of nodes ");**

**int n;**

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

**int \*s=malloc(n\*sizeof(int));**

**int i;**

**int \*\*arr=malloc(n\*sizeof(int\*));**

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

**arr[i]=malloc(n\*sizeof(int));**

**}**

**printf("Enter the adjacency matrix\n");**

**int j;**

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

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

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

**}**

**}**

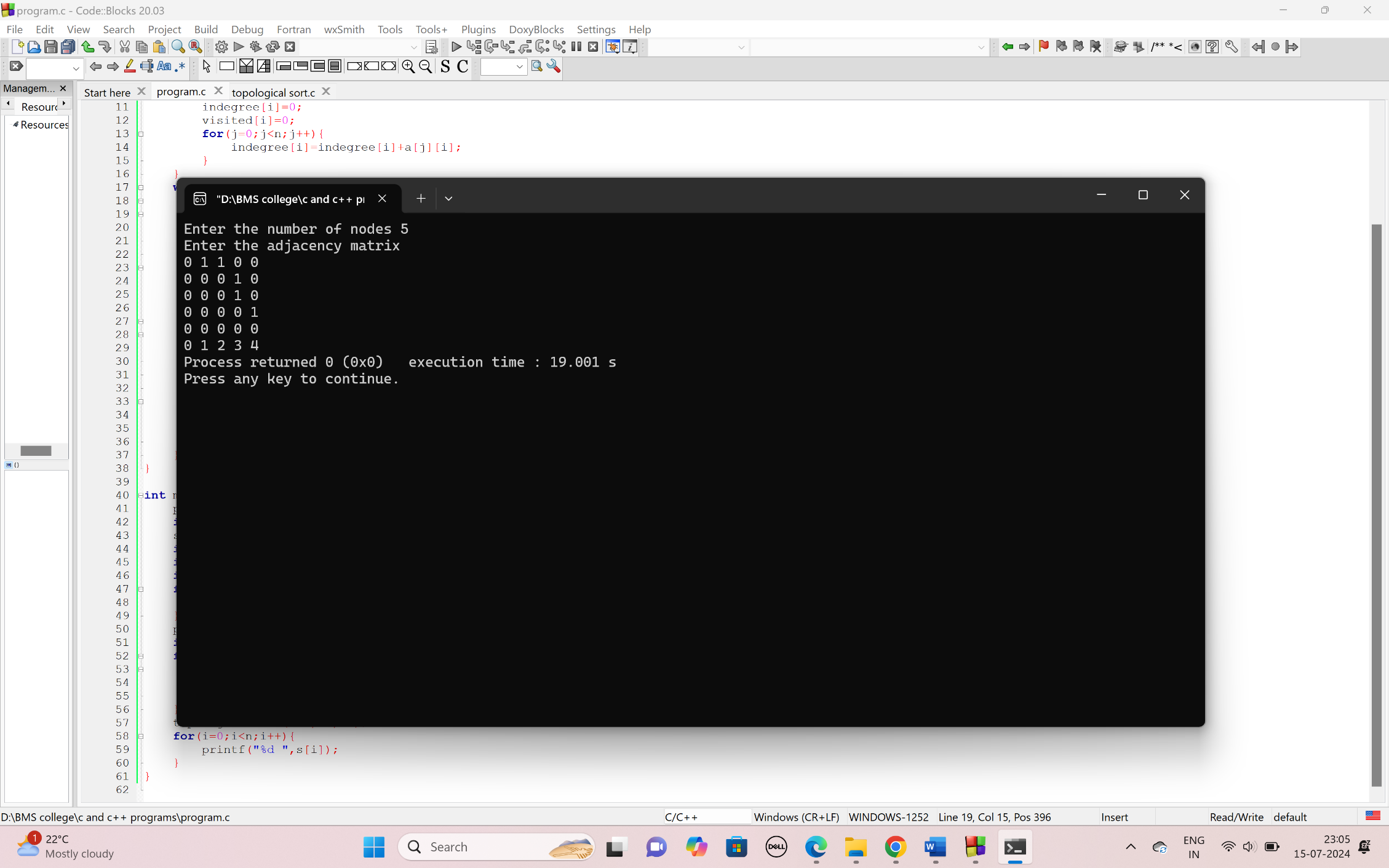
**topologicalsort(arr, n, s);**

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

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

**}**

**}**

****