**#include <stdio.h>**

**#include <stdlib.h>**

**int s[50];**

**int top=0;**

**int result[50];**

**void topologicalsortdfs(int u, int n, int \*\*a){**

**int i;**

**s[u]=1;**

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

**if(a[u][i]==1 && s[i]==0){**

**topologicalsortdfs(i, n, a);**

**}**

**}**

**result[top]=u;**

**top=top+1;**

**}**

**int main(){**

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

**int n;**

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

**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]);**

**}**

**}**

**topologicalsortdfs(0,n,arr);**

**for(i=n-1;i>=0;i--){**

**if(s[i]==0){**

**result[top]=i;**

**top=top+1;**

**}**

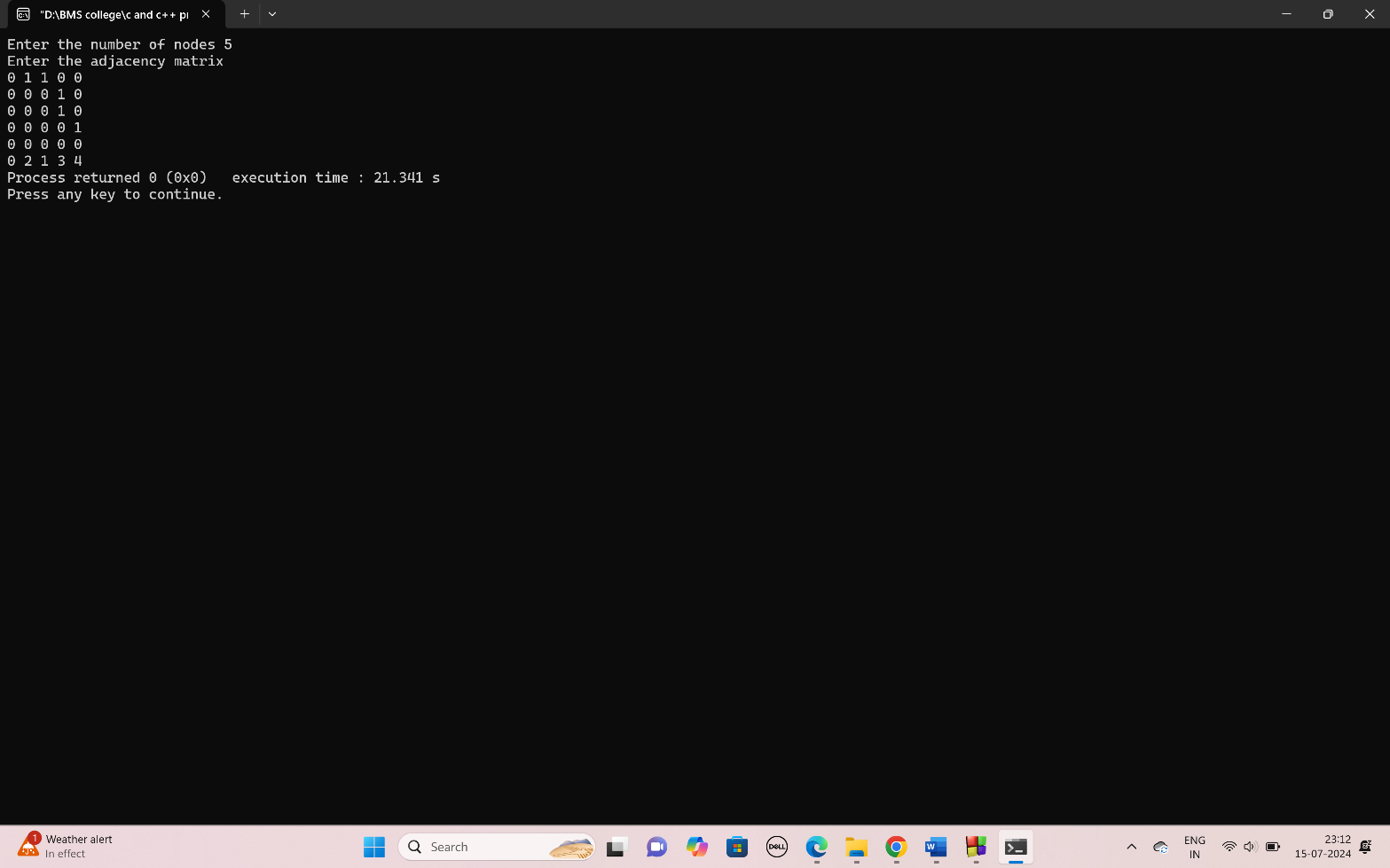
**}**

**for(i=n-1;i>=0;i--){**

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

**}**

**}**

****