```c
#include<stdio.h>
int a[10][10],vis[10],exp[10],n,i,j=0;
void dfs(int v)
{
    int i;
    vis[v]=1;
    for(i=1;i<=n;i++)
    {
        if(a[v][i]==1 && vis[i]==0)
            dfs(i);
    }
    exp[j++]=v;
}
void main()
{
    int i,k,m,p,q;
    printf("Enter number of vertices:");
    scanf("%d",&n);
    for(i=1;i<=n;i++)
    {
        for(k=1;k<=n;k++)
            a[i][k]=0;
    }
    printf("Enter number of edges:");
    scanf("%d",&m);
```

```c
    for(i=1;i<=m;i++)

    {

        printf("Enter edge:");

        scanf("%d%d",&p,&q);

        a[p][q]=1;

    }

    for(i=1;i<=n;i++)

        vis[i]=0;

    for(i=1;i<=n;i++)

    {

        if(vis[i]==0)

            dfs(i);

    }

    printf("Topological Order:\n");

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

        printf("%d ",exp[i]);

}
```
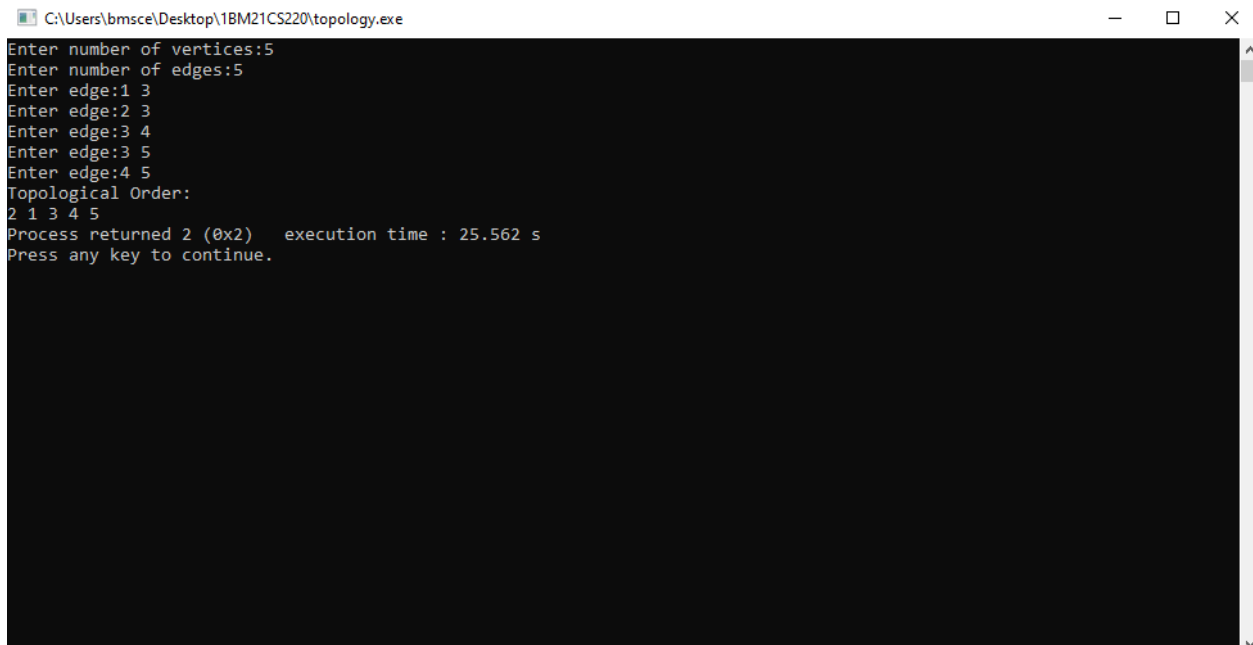
```
C:\Users\bmsce\Desktop\1BM21CS220\topology.exe                            —    ☐    ✕

Enter number of vertices:5
Enter number of edges:5
Enter edge:1 3
Enter edge:2 3
Enter edge:3 4
Enter edge:3 5
Enter edge:4 5
Topological Order:
2 1 3 4 5
Process returned 2 (0x2)    execution time : 25.562 s
Press any key to continue.
```