

```
1
2  #include <stdio.h>
3  int main() {
4      int i,j,k,n,a[10][10],indeg[10],flag[10],count=0;
5      printf("Enter the no of vertices:\n");
6      scanf("%d",&n);
7      printf("Enter the adjacency matrix:\n");
8      for(i=0;i<n;i++){
9          for(j=0;j<n;j++){
10             scanf("%d",&a[i][j]);
11         }
12     }
13     for(i=0;i<n;i++){
14         indeg[i]=0;
15         flag[i]=0;
16     }
17     for(i=0;i<n;i++){
18         for(j=0;j<n;j++){
19             indeg[i]=indeg[i]+a[j][i];
20         }
21     }
22     printf("The topological order is: \n");
23     while(count<n){
24         for(k=0;k<n;k++){
25             if((indeg[k]==0) && (flag[k]==0)){
26                 printf("%d ",(k+1));
27                 flag[k]=1;
28             }
29             for(i=0;i<n;i++){
30                 if(a[i][k]==1)
31                     indeg[k]--;
32             }
33             count++;
34         }
35     }
36     return 0;
37 }
38
39
```

■ "C:\web developement(html.css.js)\topological order.exe"

Enter the no of vertices:

4

Enter the adjacency matrix:

0 1 1 0

0 0 0 1

0 0 0 1

0 0 0 0

The topological order is:

1 2 3 4

Process returned 0 (0x0)    execution time : 109.848 s

Press any key to continue.