```
□ ...
C topological_sorting.c
      /*Write program to obtain the Topological ordering of vertices in a given digraph using DFS method*/
      #include<stdio.h>
      int s,visit[20],n,arr[20][20],e[10];
      void dfs(int v)
        visit[v]=1;
        for(i=1;i<=n;i++)</pre>
          if((arr[v][i]==1) && (visit[i]==0))
           dfs(i);
        e[s--]=v;
      void main()
        int i,j;
        printf("Enter the number of vertices:\n");
        scanf("%d",&n);
        printf("Enter the adjacency matrix:\n");
        for(i=1;i<=n;i++)
          for(j=1;j<=n;j++)
            scanf("%d",&arr[i][j]);
        for(i=1;i<=n;i++)
          visit[i]=0;
        s=n;
```

