Topological Sort using DFS in C

```c
#include <stdio.h>
#include <stdlib.h>
#define MAX_VERTEX 100
int adj[MAX_VERTEX][MAX_VERTEX];
int stack[MAX_VERTEX];
int visited[MAX_VERTEX];
int top=-1;
void dfs(int v)
{
    int i;
    visited[v] = 1;
    for (i = 0; i < MAX_VERTEX; i++)
    {
        if (adj[v][i] && !visited[i])
        {
            dfs(i);
        }
    }
    stack[++top] = v;
}
void topologicalSort(int V)
{
    int i;
    for (i = 0; i < V; i++)
    {
        if (!visited[i])
        {
            dfs(i);
        }
    }
    printf("Topological Sort Order: \n");
    while (top != -1)
    {
        printf("%d ", stack[top--]);
    }
```

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```
}
void main()
{
    int n, i, j;
    printf("Enter the number of vertices: ");
    scanf("%d", &n);
    printf("Enter the adjacency matrix: \n");
    for (i = 0; i < n; i++)
        for(j=0;j<n;j++)
            scanf("%d", &adj[i][j]);
    topologicalSort(n);
}
```