```
#include <stdio.h>
const int MAX = 10;
void fnTopological(int a[MAX][MAX], int n);
int main(void)
{
    int a[MAX][MAX],n;
    int i,j;
    printf("Topological Sorting Algorithm -\n");
    printf("\nEnter 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",&a[i][j]);
    fnTopological(a,n);
    printf("\n");
    return 0;
}
void fnTopological(int a[MAX][MAX], int n)
    int in[MAX], out[MAX], stack[MAX], top=-1;
    int i,j,k=0;
    for (i=0;i<n;i++)
        in[i] = 0;
        for (j=0; j<n; j++)
             if (a[j][i] == 1)
                 in[i]++;
    }
    while(1)
        for (i=0;i<n;i++)
        {
             if (in[i] == 0)
                 stack[++top] = i;
                 in[i] = -1;
             }
        }
        if (top == -1)
             break;
        out[k] = stack[top--];
        for (i=0;i<n;i++)</pre>
```