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                    Online C Compiler.
            Code, Compile, Run and Debug C program online.
Write your code in this editor and press "Run" button to compile

*******************************************************************
#include <stdio.h>

int main()
{
    int i,j,k,n,A[10][10],indeg[10],flag[10],count=0;

    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",&A[i][j]);
        }
    }

    for(i=0;i<n;i++)
    {
        indeg[i] = 0;
        flag[i] = 0;
    }

    for(i=0;i<n;i++)
    {
        for(j=0;j<n;j++)
        {
            indeg[i] = indeg[i] + A[j][i];
        }
    }
```

input

```
    }
}

for(i=0;i<n;i++)
{
    indeg[i] = 0;
    flag[i] = 0;
}

for(i=0;i<n;i++)
{
    for(j=0;j<n;j++)
    {
        indeg[i] = indeg[i] + A[j][i];
    }
}

printf("\nThe topological order is:");

while(count<n)
{
    for(k=0;k<n;k++)
    {
        if((indeg[k] == 0) && (flag[k] == 0))
        {
            printf("%d ",(k+1));
            flag[k] = 1;
        }
        for(i=0;i<n;i++)
        {
            if(A[i][k] == 1){ indeg[k]--; }
        }
    }
    count++;
}

return 0;
}
```