CODE

```c
#include<stdio.h>

#include<conio.h>

int main(){

int i,j,k,n,a[10][10],indeg[10],flag[10],count=0;

printf("Enter the no of vertices:\n");

scanf("%d",&n);

printf("Enter the adjacency matrix:\n");

for(i=0;i<n;i++){

printf("Enter row %d\n",i+1);

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(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;}
```

OUPUT:

```
Enter the no of vertices:
4
Enter the adjacency matrix:
Enter row 1
0 0 0 1
Enter row 2
1 0 1 0
Enter row 3
0 0 0 0
Enter row 4
1 1 1 0

The topological order is:1 2 3 4

...Program finished with exit code 0
Press ENTER to exit console.
```