/*DEPTH FIRST SEARCH*/

```
#include<stdio.h>
void DFS(int);
int G[10][10], visited[10]={0}, n;
void main()
{
   int i,j;
  printf("Enter number of vertices: ");
  scanf("%d",&n);
  printf("\nEnter adjacency matrix of Graph : ");
   for(i=0;i<n;i++)
  {
     for(j=0;j,n;j++)
     scanf("%d",&G[i][j]);
  }
   DFS(0);
void DFS(int i)
{
   int j;
  printf("\n%d",i);
   visited[i]=1;
  for(j=0;j< n;j++)
  if(!visited[j]&&G[i][j]==1)
  DFS(j);
```

/*BREADTH FIRST SEARCH*/