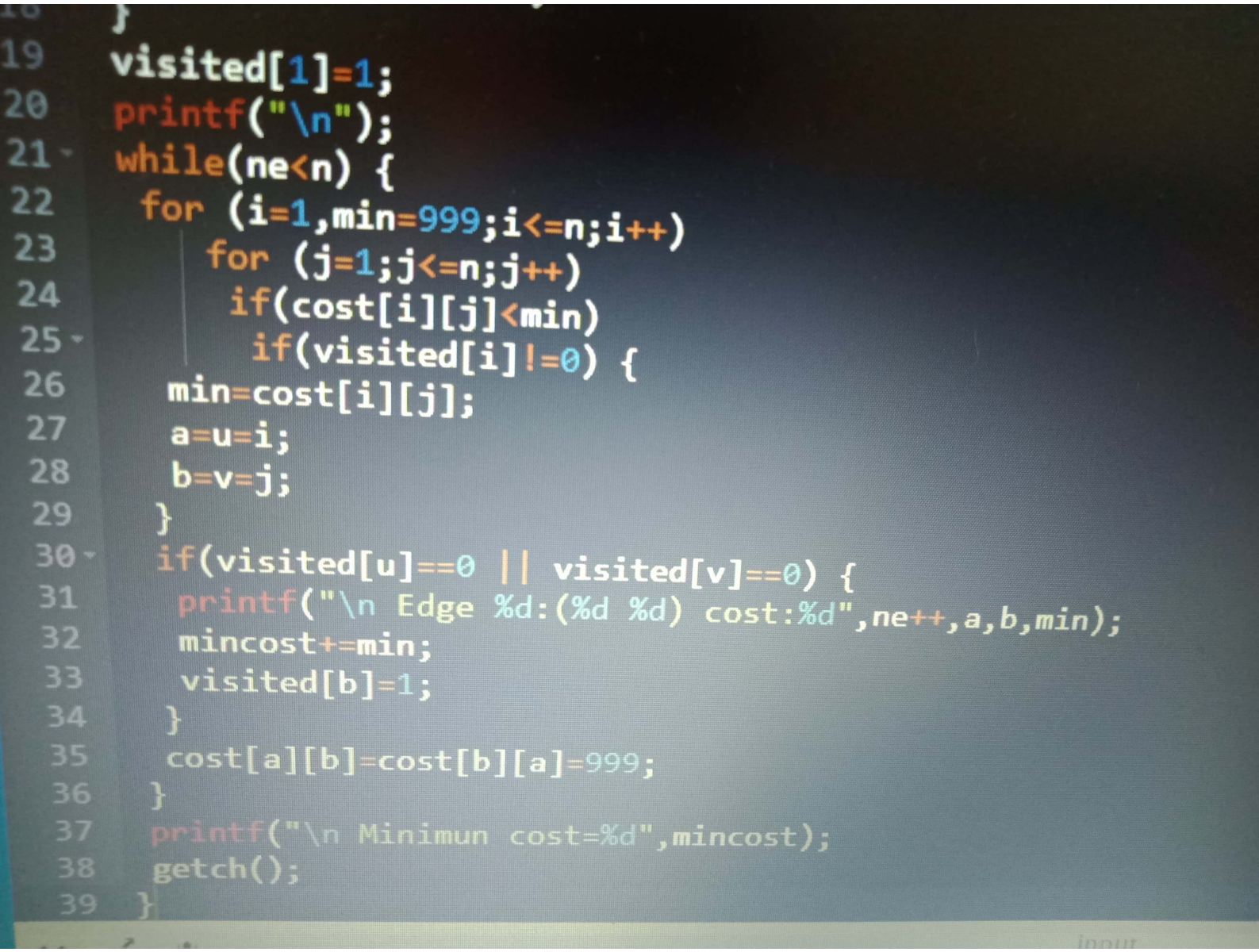
```c
#include<stdio.h>
#include<conio.h>
int a,b,u,v,n,i,j,ne=1;
int visited[10]= {
 0
}
,min,mincost=0,cost[10][10];
void main() {

 printf("\n Enter the number of nodes:");
 scanf("%d",&n);
 printf("\n Enter the adjacency matrix:\n");
 for (i=1;i<=n;i++)
   for (j=1;j<=n;j++) {
  scanf("%d",&cost[i][j]);
  if(cost[i][j]==0)
      cost[i][j]=999;
 }
 visited[1]=1;
 printf("\n");
 while(ne<n) {
  for (i=1,min=999;i<=n;i++)
     for (j=1;j<=n;j++)
      if(cost[i][j]<min)
        if(visited[i]!=0) {
```



```
}
visited[1]=1;
printf("\n");
while(ne<n) {
 for (i=1,min=999;i<=n;i++)
    for (j=1;j<=n;j++)
     if(cost[i][j]<min)
      if(visited[i]!=0) {
   min=cost[i][j];
   a=u=i;
   b=v=j;
  }
  if(visited[u]==0 || visited[v]==0) {
   printf("\n Edge %d:(%d %d) cost:%d",ne++,a,b,min);
   mincost+=min;
   visited[b]=1;
  }
  cost[a][b]=cost[b][a]=999;
 }
 printf("\n Minimun cost=%d",mincost);
 getch();
}
```