

```

#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() {
    clrscr();
    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) {
                        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();
}

```

Enter the number of nodes:3

Enter the adjacency matrix:

1
3
2
2
63
3
3
1
1

Edge 1:(1 3) cost:2

Edge 2:(3 2) cost:1

Minimum cost=3_