```c
#include<stdio.h>
int visited[10]=0;
int prim(int cost[10][10], int n);
int main()
{
int cost[10][10], n, source, res;
printf("Enter number of nodes ");
scanf("%d",&n);
printf("Enter cost in form of adjacency matrix\n");
for(int i=0;i<n;i++)
for(int j=0;j<n;j++)
scanf("%d",&cost[i][j]);
res=prim(cost, n);
printf("\nminimum weight is %d", res);
return 0;
}
int prim(int cost[10][10], int n)
{
int min, min_cost=0, count=0, a, b;
visited[0]=1;
while(count<n-1)
{
min=999;
for(int i=0;i<n;i++)
    {
for(int j=0;j<n;j++)
{
if(cost[i][j]<min && visited[i]==1)
{
min=cost[i][j];
a=i;
b=j;
}
}
}
if(visited[b]==0)
{
printf("\n%d to %d cost=%d",a,b,min);
min_cost=min_cost+min;
count++;
}
visited[b]=1;
cost[a][b]=cost[b][a]=999;
}
return min_cost;
}

```