


```

        {
            dis[i] = weight[current][i];
            predec[i] = current;
        }
    }

    mincost = 9999;
    for (i = 0; i < n; i++)
    {
        if (vis[i] == 0)
            if (dis[i] < mincost)
            {
                mincost = dis[i];
                current = i;
            }
    }
    vis[current] = 1;
    totalvisited++;
}

mincost = 0;
for (i = 0; i < n; i++)
{
    mincost += dis[i];

    printf("\n Node=%d and predecessor is %d and wt is %d current cost is %d", i, predec[i], dis[i],
mincost);
}

printf("\n The minimum cost is %d", mincost);
return 0;
}

```

Output:

Niyati 's code-- Prims Algorithm

Node=0 and predecessor is 0 and wt is 0 current cost is 0

Node=1 and predecessor is 3 and wt is 1 current cost is 1

Node=2 and predecessor is 4 and wt is 3 current cost is 4

Node=3 and predecessor is 0 and wt is 4 current cost is 8

Node=4 and predecessor is 3 and wt is 2 current cost is 10

Node=5 and predecessor is 4 and wt is 7 current cost is 17

The minimum cost is 17