

```

class Graph{
    int V;
    list<int>*adj;

public:
Graph(int V){
    this->V=V;
    adj=new list<int>[V];
}
void addedge(int u, int v){
    adj[u].push_back(v);
    adj[v].push_back(u);
}
};

```

```

int main() {

Graph G(5);

G.addedge(1, 2);
G.addedge(1, 5);
G.addedge(2, 3);
G.addedge(2, 4);
G.addedge(2, 5);
G.addedge(4, 5);

return 0;
}

```

