

```

class Graph {
    int V;
    vector<vector<int>>> adj;

public:
    Graph(int V) {
        this->V = V;
        adj.resize(V);
    }

    void addedge(int u, int v) {
        adj[u].push_back(v);
    }

};

int main() {
    int V = 4;
    Graph G(V);

    G.addedge(0, 1);
    G.addedge(0, 2);
    G.addedge(1, 3);
    G.addedge(2, 3);
    G.addedge(2, 4);
    G.addedge(3, 4);

    return 0;
}

```

