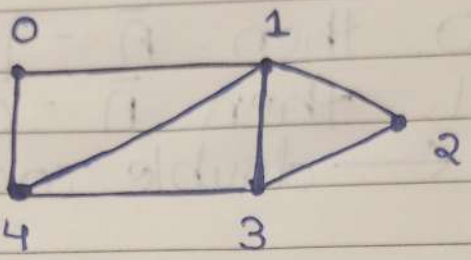
* Adjacency List Representation of graph

- Graph we are using for this problem:



- General Algorithm

```
V= vertices
adjList = new Node *[V].
for i = 1 to V
    adjList i = NULL

Node *current = adjList[i]
while (current) {
    Node * temp = current;
    current = current → next
    delete temp
```

- Complexity Analysis

we use two arrays so: O(m) and O(n) and hence we have no recursion or any involve and we do not travel for all so we simply get

$$O(m+n).$$