```
1. Insert
2. Delete
3. Inorder Traversal
4. Preorder Traversal
5. Postorder Traversal
6. Search
7. Exit
Enter your choice: 1
Enter data to insert: 7

1. Insert
2. Delete
3. Inorder Traversal
4. Preorder Traversal
5. Postorder Traversal
6. Search
7. Exit
Enter your choice: 1
Enter data to insert: 4

1. Insert
2. Delete
3. Inorder Traversal
4. Preorder Traversal
5. Postorder Traversal
6. Search
7. Exit
Enter your choice: 1
Enter data to insert: 9
```

```
1. Insert
2. Delete
3. Inorder Traversal
4. Preorder Traversal
5. Postorder Traversal
6. Search
7. Exit
Enter your choice: 3
Inorder Traversal: 4 7 9

1. Insert
2. Delete
3. Inorder Traversal
4. Preorder Traversal
5. Postorder Traversal
6. Search
7. Exit
Enter your choice: 4
Preorder Traversal: 7 4 9

1. Insert
2. Delete
3. Inorder Traversal
4. Preorder Traversal
5. Postorder Traversal
6. Search
7. Exit
Enter your choice: 5
Postorder Traversal: 4 9 7
```

```
1. Insert
2. Delete
3. Inorder Traversal
4. Preorder Traversal
5. Postorder Traversal
6. Search
7. Exit
Enter your choice: 6
Enter data to search: 9
Element found

1. Insert
2. Delete
3. Inorder Traversal
4. Preorder Traversal
5. Postorder Traversal
6. Search
7. Exit
Enter your choice: 7
PS D:\SIT CS> ^C
```

---

```
Enter the number of vertices: 2

1. Insert Vertex
2. Insert Edge
3. Delete Vertex
4. Delete Edge
5. Print Graph
6. Exit
Enter your choice: 1
Vertex inserted.

1. Insert Vertex
2. Insert Edge
3. Delete Vertex
4. Delete Edge
5. Print Graph
6. Exit
Enter your choice: 2
Enter source and destination vertices: 2 3
Edge inserted.

1. Insert Vertex
2. Insert Edge
3. Delete Vertex
4. Delete Edge
5. Print Graph
6. Exit
Enter your choice: 3
Enter vertex to delete: 1
Vertex deleted.
```

```
Enter your choice: 4
Enter source and destination vertices of the edge to delete: 1 3
Edge deleted.

1. Insert Vertex
2. Insert Edge
3. Delete Vertex
4. Delete Edge
5. Print Graph
6. Exit
Enter your choice: 5

 Adjacency list of vertex 0
 head

 Adjacency list of vertex 1
 head

1. Insert Vertex
2. Insert Edge
3. Delete Vertex
4. Delete Edge
5. Print Graph
6. Exit
Enter your choice: 5

 Adjacency list of vertex 0
 head

 Adjacency list of vertex 1
 head

1. Insert Vertex
2. Insert Edge
3. Delete Vertex
4. Delete Edge
5. Print Graph
6. Exit
Enter your choice: 6
PS D:\SIT CS>
```