Enter Operation

1.Enter Data

2.InOrder Traversal

3.PreOrder Traversal

4.PostOrder Traversal

5.Search

6.Mirror

7.Delete

8.Height

9.Minimum Node

10.Maximum Node

11.Level Order Traversal

12.Leaf Nodes

13.Display Child and parent

14.Exit

1

Enter value: 10

Enter Operation

1.Enter Data

2.InOrder Traversal

3.PreOrder Traversal

4.PostOrder Traversal

5.Search

6.Mirror

7.Delete

8.Height

9.Minimum Node

10.Maximum Node

11.Level Order Traversal

12.Leaf Nodes

13.Display Child and parent

14.Exit

1

Enter value: 9

Enter Operation

1.Enter Data

2.InOrder Traversal

3.PreOrder Traversal

4.PostOrder Traversal

5.Search

6.Mirror

7.Delete

8.Height

9.Minimum Node

10.Maximum Node

11.Level Order Traversal

12.Leaf Nodes

13.Display Child and parent

14.Exit

1

Enter value: 11

Enter Operation

1.Enter Data

2.InOrder Traversal

3.PreOrder Traversal

4.PostOrder Traversal

5.Search

6.Mirror

7.Delete

8.Height

9.Minimum Node

10.Maximum Node

11.Level Order Traversal

12.Leaf Nodes

13.Display Child and parent

14.Exit

2

InOrder:

9 10 11

Enter Operation

1.Enter Data

2.InOrder Traversal

3.PreOrder Traversal

4.PostOrder Traversal

5.Search

6.Mirror

7.Delete

8.Height

9.Minimum Node

10.Maximum Node

11.Level Order Traversal

12.Leaf Nodes

13.Display Child and parent

14.Exit

3

PreOrder:

10 9 11

Enter Operation

1.Enter Data

2.InOrder Traversal

3.PreOrder Traversal

4.PostOrder Traversal

5.Search

6.Mirror

7.Delete

8.Height

9.Minimum Node

10.Maximum Node

11.Level Order Traversal

12.Leaf Nodes

13.Display Child and parent

14.Exit

4

PostOrder:

9 11 10

Enter Operation

1.Enter Data

2.InOrder Traversal

3.PreOrder Traversal

4.PostOrder Traversal

5.Search

6.Mirror

7.Delete

8.Height

9.Minimum Node

10.Maximum Node

11.Level Order Traversal

12.Leaf Nodes

13.Display Child and parent

14.Exit

7

Enter a value to delete: 11

Enter Operation

1.Enter Data

2.InOrder Traversal

3.PreOrder Traversal

4.PostOrder Traversal

5.Search

6.Mirror

7.Delete

8.Height

9.Minimum Node

10.Maximum Node

11.Level Order Traversal

12.Leaf Nodes

13.Display Child and parent

14.Exit

2

InOrder:

9 10

Enter Operation

1.Enter Data

2.InOrder Traversal

3.PreOrder Traversal

4.PostOrder Traversal

5.Search

6.Mirror

7.Delete

8.Height

9.Minimum Node

10.Maximum Node

11.Level Order Traversal

12.Leaf Nodes

13.Display Child and parent

14.Exit

3

PreOrder:

10 9

Enter Operation

1.Enter Data

2.InOrder Traversal

3.PreOrder Traversal

4.PostOrder Traversal

5.Search

6.Mirror

7.Delete

8.Height

9.Minimum Node

10.Maximum Node

11.Level Order Traversal

12.Leaf Nodes

13.Display Child and parent

14.Exit

4

PostOrder:

9 10

Enter Operation

1.Enter Data

2.InOrder Traversal

3.PreOrder Traversal

4.PostOrder Traversal

5.Search

6.Mirror

7.Delete

8.Height

9.Minimum Node

10.Maximum Node

11.Level Order Traversal

12.Leaf Nodes

13.Display Child and parent

14.Exit

1

Enter value: 11

Enter Operation

1.Enter Data

2.InOrder Traversal

3.PreOrder Traversal

4.PostOrder Traversal

5.Search

6.Mirror

7.Delete

8.Height

9.Minimum Node

10.Maximum Node

11.Level Order Traversal

12.Leaf Nodes

13.Display Child and parent

14.Exit

1

Enter value: 12

Enter Operation

1.Enter Data

2.InOrder Traversal

3.PreOrder Traversal

4.PostOrder Traversal

5.Search

6.Mirror

7.Delete

8.Height

9.Minimum Node

10.Maximum Node

11.Level Order Traversal

12.Leaf Nodes

13.Display Child and parent

14.Exit

1

Enter value: 4

Enter Operation

1.Enter Data

2.InOrder Traversal

3.PreOrder Traversal

4.PostOrder Traversal

5.Search

6.Mirror

7.Delete

8.Height

9.Minimum Node

10.Maximum Node

11.Level Order Traversal

12.Leaf Nodes

13.Display Child and parent

14.Exit

2

InOrder:

4 9 10 11 12

Enter Operation

1.Enter Data

2.InOrder Traversal

3.PreOrder Traversal

4.PostOrder Traversal

5.Search

6.Mirror

7.Delete

8.Height

9.Minimum Node

10.Maximum Node

11.Level Order Traversal

12.Leaf Nodes

13.Display Child and parent

14.Exit

3

PreOrder:

10 9 4 11 12

Enter Operation

1.Enter Data

2.InOrder Traversal

3.PreOrder Traversal

4.PostOrder Traversal

5.Search

6.Mirror

7.Delete

8.Height

9.Minimum Node

10.Maximum Node

11.Level Order Traversal

12.Leaf Nodes

13.Display Child and parent

14.Exit

4

PostOrder:

4 9 12 11 10

Enter Operation

1.Enter Data

2.InOrder Traversal

3.PreOrder Traversal

4.PostOrder Traversal

5.Search

6.Mirror

7.Delete

8.Height

9.Minimum Node

10.Maximum Node

11.Level Order Traversal

12.Leaf Nodes

13.Display Child and parent

14.Exit

8

Height is: 3

Enter Operation

1.Enter Data

2.InOrder Traversal

3.PreOrder Traversal

4.PostOrder Traversal

5.Search

6.Mirror

7.Delete

8.Height

9.Minimum Node

10.Maximum Node

11.Level Order Traversal

12.Leaf Nodes

13.Display Child and parent

14.Exit

9

Minimum Node: 4

Enter Operation

1.Enter Data

2.InOrder Traversal

3.PreOrder Traversal

4.PostOrder Traversal

5.Search

6.Mirror

7.Delete

8.Height

9.Minimum Node

10.Maximum Node

11.Level Order Traversal

12.Leaf Nodes

13.Display Child and parent

14.Exit

10

Maximum Node: 12

Enter Operation

1.Enter Data

2.InOrder Traversal

3.PreOrder Traversal

4.PostOrder Traversal

5.Search

6.Mirror

7.Delete

8.Height

9.Minimum Node

10.Maximum Node

11.Level Order Traversal

12.Leaf Nodes

13.Display Child and parent

14.Exit

11

Level Order:

10 9 11 4 12

Enter Operation

1.Enter Data

2.InOrder Traversal

3.PreOrder Traversal

4.PostOrder Traversal

5.Search

6.Mirror

7.Delete

8.Height

9.Minimum Node

10.Maximum Node

11.Level Order Traversal

12.Leaf Nodes

13.Display Child and parent

14.Exit

12

Leaf Nodes: 4 Leaf Nodes: 12

Enter Operation

1.Enter Data

2.InOrder Traversal

3.PreOrder Traversal

4.PostOrder Traversal

5.Search

6.Mirror

7.Delete

8.Height

9.Minimum Node

10.Maximum Node

11.Level Order Traversal

12.Leaf Nodes

13.Display Child and parent

14.Exit

13

Parent: 10

Left child: 9

Right child: 11

Parent: 9

Left child: 4

Parent: 4

Parent: 11

Right child: 12

Parent: 12

Enter Operation

1.Enter Data

2.InOrder Traversal

3.PreOrder Traversal

4.PostOrder Traversal

5.Search

6.Mirror

7.Delete

8.Height

9.Minimum Node

10.Maximum Node

11.Level Order Traversal

12.Leaf Nodes

13.Display Child and parent

14.Exit

14

Process returned 0 (0x0) execution time : 71.893 s

Press any key to continue.