

C:\Users\91966\Desktop\DSLAB>nodes.exe

1.Insert

2.Pre-order

3.In-order

4.Post-order

5.Display

6.Number of nodes

7.Exit

Enter the choice

1

Enter the item

10

1.Insert

2.Pre-order

3.In-order

4.Post-order

5.Display

6.Number of nodes

7.Exit

Enter the choice

1

Enter the item

20

Direction to insert:

1

1.Insert

2.Pre-order

3.In-order

4.Post-order

5.Display

6.Number of nodes

7.Exit

Enter the choice

1

Enter the choice



Type here to search



Enter the item

30

Direction to insert:

r

1.Insert

2.Pre-order

3.In-order

4.Post-order

5.Display

6.Number of nodes

7.Exit

Enter the choice

1

Enter the item

12

Direction to insert:

11

1.Insert

2.Pre-order

3.In-order

4.Post-order

5.Display

6.Number of nodes

7.Exit

Enter the choice

1

Enter the item

37

Direction to insert:

rr

1.Insert

2.Pre-order

3.In-order

4.Post-order

Enter the choice




```
5.Display
6.Number of nodes
7.Exit
```

Enter the choice

```
5
Contents of tree:
```

```
    37
   30
  10
   20
    12
```

```
1.Insert
2.Pre-order
3.In-order
4.Post-order
5.Display
6.Number of nodes
7.Exit
```

Enter the choice

```
2
Given tree is:
```

```
    37
   30
  10
   20
    12
```

The pre-order traversal is:

```
10    20    12    30    37    1.Insert
```

```
2.Pre-order
3.In-order
4.Post-order
5.Display
6.Number of nodes
7.Exit
```

Enter the choice

3.In-order
4.Post-order
5.Display
6.Number of nodes
7.Exit

Enter the choice

3

Given tree is

37

30

10

20

12

The in-order traversal is

12 20 10 30 37 1.Insert

2.Pre-order

3.In-order

4.Post-order

5.Display

6.Number of nodes

7.Exit

Enter the choice

4

Given tree is

37

30

10

20

12

The postorder traversal is

12 20 37 30 10 1.Insert

2.Pre-order

3.In-order

4.Post-order

Enter the choice



The postorder traversal is

12 20 37 30 1

2.Pre-order

3.In-order

4.Post-order

5.Display

6.Number of nodes

7.Exit

Enter the choice

6

Number of nodes: 5

1.Insert

2.Pre-order

3.In-order

4.Post-order

5.Display

6.Number of nodes

7.Exit

Enter the choice

7