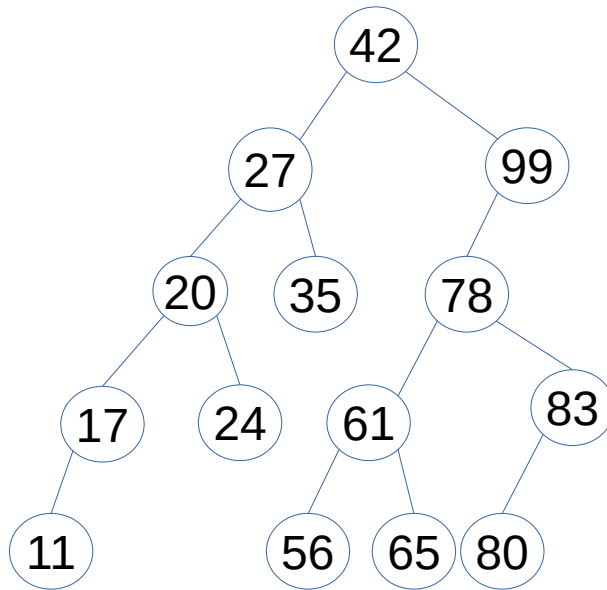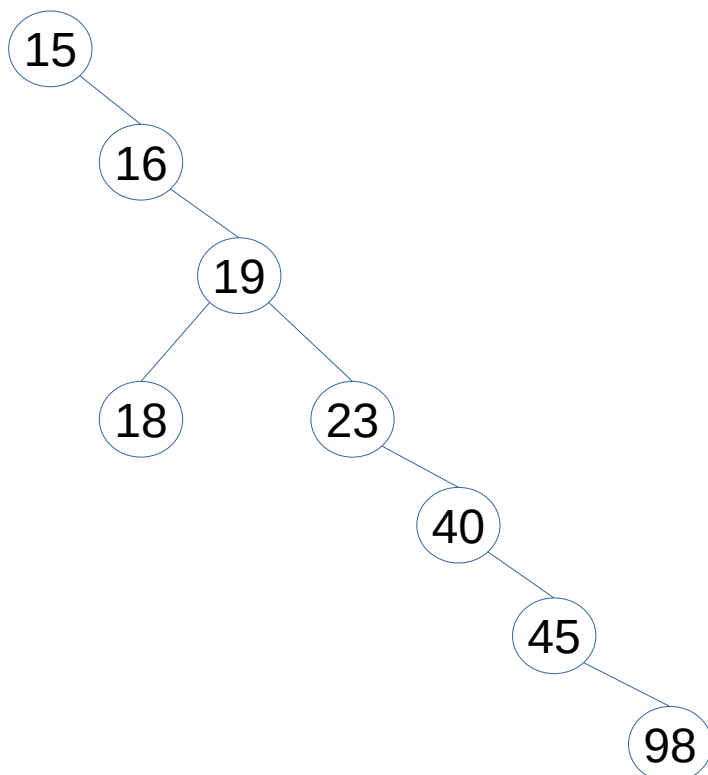## Original BST

1. Preorder traversal:
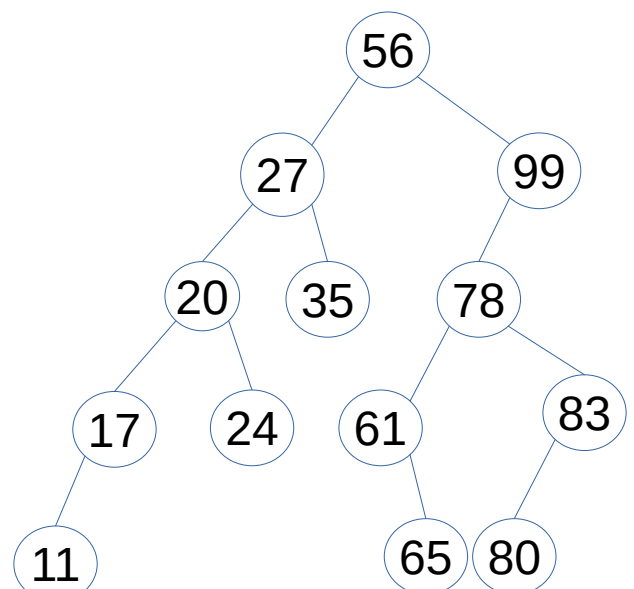42, 27, 20, 17, 11, 24, 35, 99, 78, 61, 56, 65, 83, 80

2. Postorder traversal:
11, 17, 24, 20, 35, 27, 56, 65, 61, 80, 83, 78, 99, 42
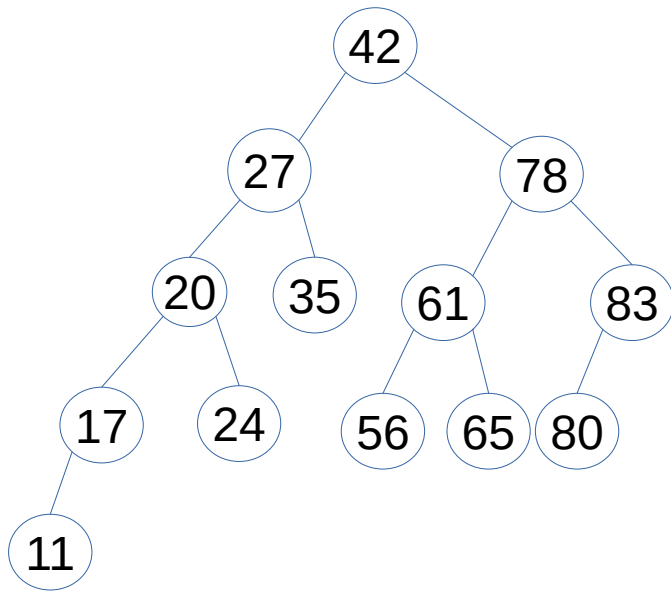
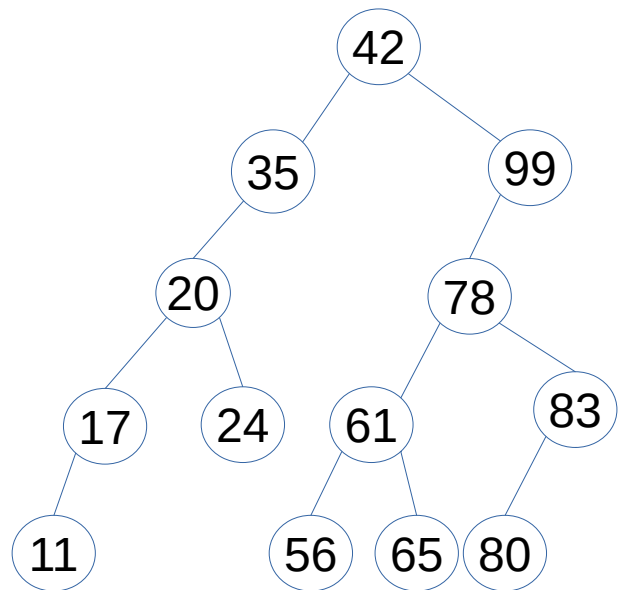3. Insert 15, 16, 19,
18, 23, 40, 45, 98

4. Delete 42 from
original BST

5. Delete 99

```
                42
            ┌────┴────┐
           27         78
         ┌──┴──┐    ┌──┴──┐
        20    35   61    83
       ┌─┴─┐      ┌─┴─┐   │
      17  24     56  65  80
       │
      11
```

6. Delete 27

```
                42
            ┌────┴────┐
           35         99
         ┌──┘          │
        20            78
       ┌─┴─┐        ┌──┴──┐
      17  24       61    83
       │          ┌─┴─┐   │
      11         56  65  80
```

7. Insert 92, 88, 30, 20

```
                          50
              ┌───────────┴───────────┐
             22                        88
         ┌────┴────┐              ┌─────┴─────┐
        19        30             83          91
      ┌──┴──┐   ┌──┴──┐       ┌───┴───┐    ┌───┴────┐
     14    20  27    39    65,78     86   89      92,94
    ┌─┴─┐ ┌─┴─┐┌─┴─┐ ┌─┴─┐ ┌──┼──┐  ┌─┴─┐ ┌─┴─┐  ┌──┼──┐
   -1 14 19 20 22 27 30 39 50 65 78 83 86 88 89 91 92 94
```