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CPE 360 BST HW

After adding the following elements: 15, 6, 18, 3, 7, 17, 20, 2, 4, 13, 9

```
1. Add
2. Delete
3. Search
4. In-order
5. Post-order
6. Pre-order
1
What would you like to add?
9
1. Add
2. Delete
3. Search
4. In-order
5. Post-order
6. Pre-order
4
2 3 4 6 7 9 13 15 17 18 20 1. Add
2. Delete
3. Search
4. In-order
5. Post-order
6. Pre-order
```

Deleting the following elements: 9, 7, 3, 15

```
3. Search
4. In-order
5. Post-order
6. Pre-order
2
What would you like to delete?
15
Found the value
Found the value
Deleting...
1. Add
2. Delete
3. Search
4. In-order
5. Post-order
6. Pre-order
4
2 4 6 13 17 18 20 1. Add
2. Delete
3. Search
4. In-order
5. Post-order
6. Pre-order
```

Search for 2:

```
1. Add
2. Delete
3. Search
4. In-order
5. Post-order
6. Pre-order
4
2 4 6 13 17 18 20 1. Add
2. Delete
3. Search
4. In-order
5. Post-order
6. Pre-order
3
What do you want to search?
2
Found It!
1. Add
2. Delete
3. Search
4. In-order
5. Post-order
6. Pre-order
```

Search for 9:

```
4. In-order
5. Post-order
6. Pre-order
3
What do you want to search?
2
Found It!
1. Add
2. Delete
3. Search
4. In-order
5. Post-order
6. Pre-order
3
What do you want to search?
9
Could not find it
1. Add
2. Delete
3. Search
4. In-order
5. Post-order
6. Pre-order
```

Search for 20:

```
4. In-order
5. Post-order
6. Pre-order
3
What do you want to search?
9
Could not find it
1. Add
2. Delete
3. Search
4. In-order
5. Post-order
6. Pre-order
3
What do you want to search?
20
Found It!
1. Add
2. Delete
3. Search
4. In-order
5. Post-order
6. Pre-order
```

Search for 6:

```
4. In-order
5. Post-order
6. Pre-order
3
What do you want to search?
20
Found It!
1. Add
2. Delete
3. Search
4. In-order
5. Post-order
6. Pre-order
3
What do you want to search?
6
Found It!
1. Add
2. Delete
3. Search
4. In-order
5. Post-order
6. Pre-order
```

In-order:

```

2. Delete
3. Search
4. In-order
5. Post-order
6. Pre-order
3
What do you want to search?
6
Found It!
1. Add
2. Delete
3. Search
4. In-order
5. Post-order
6. Pre-order
4
2 4 6 13 17 18 20 1. Add
2. Delete
3. Search
4. In-order
5. Post-order
6. Pre-order

```

Post-order:

```

1. Add
2. Delete
3. Search
4. In-order
5. Post-order
6. Pre-order
6
17 6 4 2 13 18 20 1. Add
2. Delete
3. Search
4. In-order
5. Post-order
6. Pre-order
5
2 4 6 13 18 20 17
1. Add
2. Delete
3. Search
4. In-order
5. Post-order
6. Pre-order

```

Pre-order:

```
4
2 4 6 13 17 18 20 1. Add
2. Delete
3. Search
4. In-order
5. Post-order
6. Pre-order
5
2 4 6 13 18 20 17

1. Add
2. Delete
3. Search
4. In-order
5. Post-order
6. Pre-order
6
17 6 4 2 13 18 20 1. Add
2. Delete
3. Search
4. In-order
5. Post-order
6. Pre-order
```