Tree

root node → (A)

(A) connects to (B) and (C)

(B) connects to (D) and (E)

(C) connects to (F) and (G)

(G) connects to (H)

① (A)—(B)—(C)

Binary Tree

② (B) connects to (B), (C), (D)

Tree but not a binary Tree
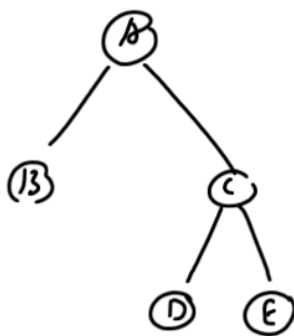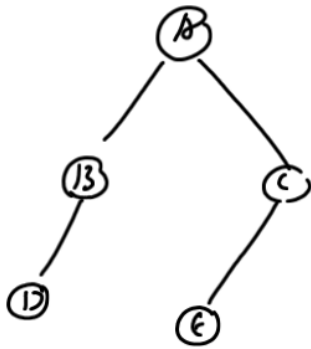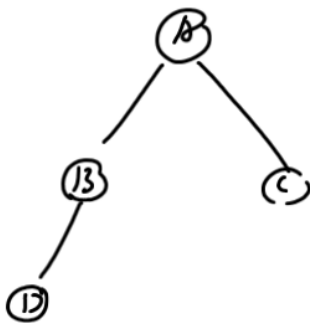
③ (A)—(B)—(C) connects to (D) and (E)

Binary Tree

① Binary : Y

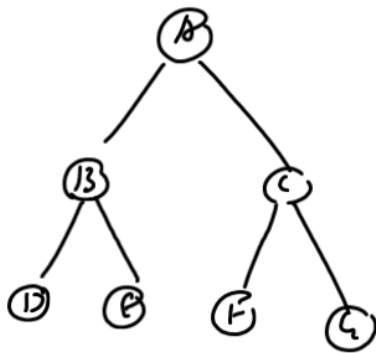② Full Binary : Y

③ Complete Binary : Y

④ Perfect Binary : N

① Binary : Y

② Full Binary : Y

③ Complete Binary : N

④ Perfect Binary : N

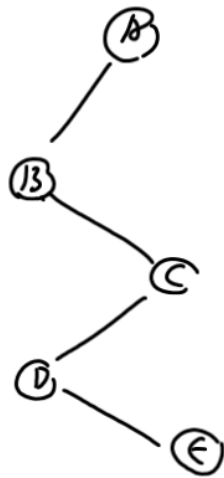1. Binary : Y

2. Full Binary : N

3. Complete Binary : N

4. Perfect Binary : N

1. Binary : Y

2. Full Binary : N

3. Complete Binary : Y

4. Perfect Binary : N

1 Binary : Y

2 Full Binary : Y

3 Complete Binary : Y

4 Perfect Binary : Y

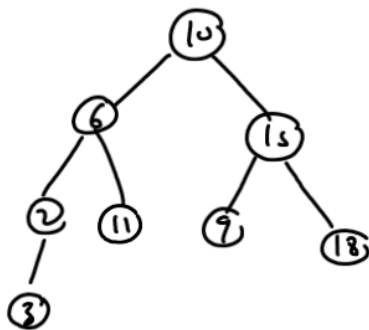1 Binary : Y

2 Full Binary : Y

3 Complete Binary : Y

4 Perfect Binary : Y

A
|
B
 \
  C
 /
D
 \
  E

① Binary : Y

② Full Binary : N
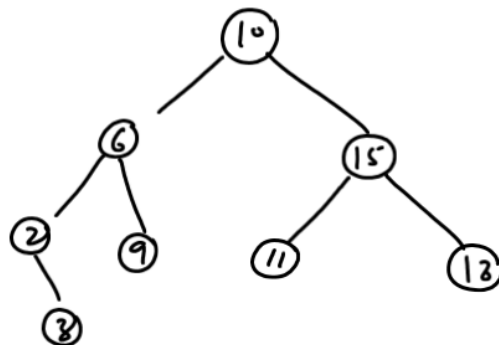
③ Complete Binary : N

④ Perfect Binary : N

Binary Tree

10, 6, 15, 2, 11, 9, 13, 3

```
          10
         /   \
        6     15
       / \    / \
      2  11  9   13
     /
    3
```

Binary Search Tree

10, 6, 15, 2, 11, 9, 13, 3

```
          10
         /   \
        6     15
       / \    / \
      2   9  11  13
       \
        3
```

Draw a BST for "SACHIN"