# Question 4.

**Insertion of Numbers:**

**{77, 51, 3, 24, 56, 27, 8, 93, 64}**

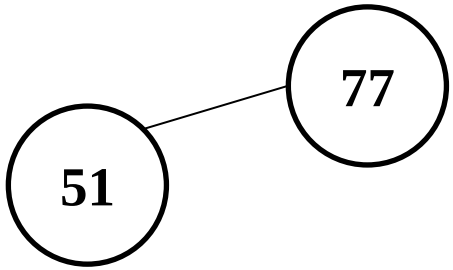
**Step 1**

# Question 4.

**Insertion of Numbers:**

**{77, 51, 3, 24, 56, 27, 8, 93, 64}**

**Step 2**



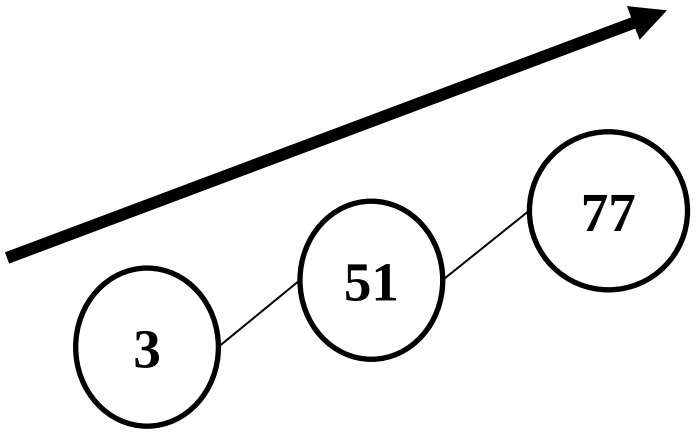
# Question 4.

**Step 3**

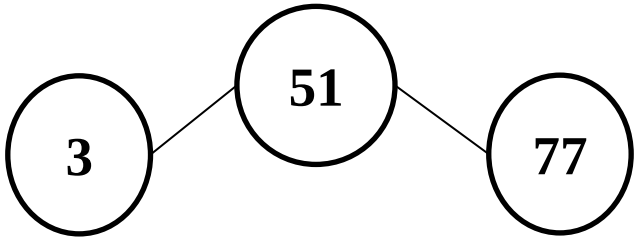
**Insertion of Numbers:**

**{77, 51, 3, 24, 56, 27, 8, 93, 64}**

**Before LL Rotation: Unbalanced**




**After Rotation: Balanced**

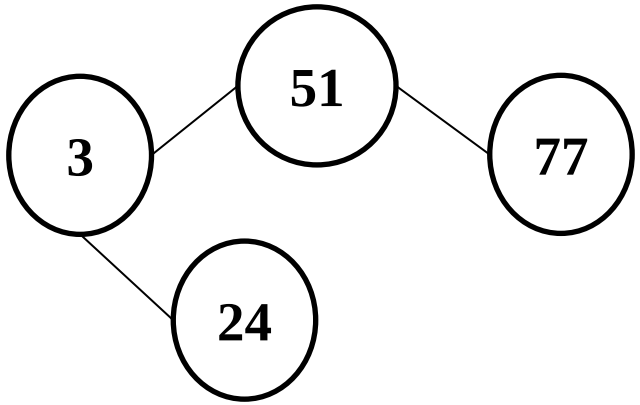


# Question 4.

**Insertion of Numbers:**

**{77, 51, 3, 24, 56, 27, 8, 93, 64}**

**Step 4**

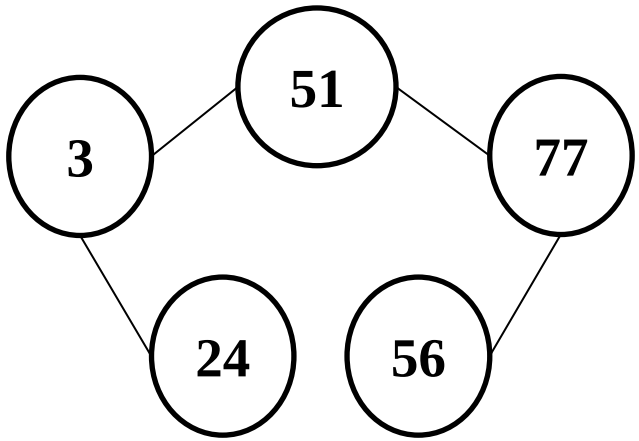


# Question 4.

**Insertion of Numbers:**

**{77, 51, 3, 24, 56, 27, 8, 93, 64}**

**Step 5**



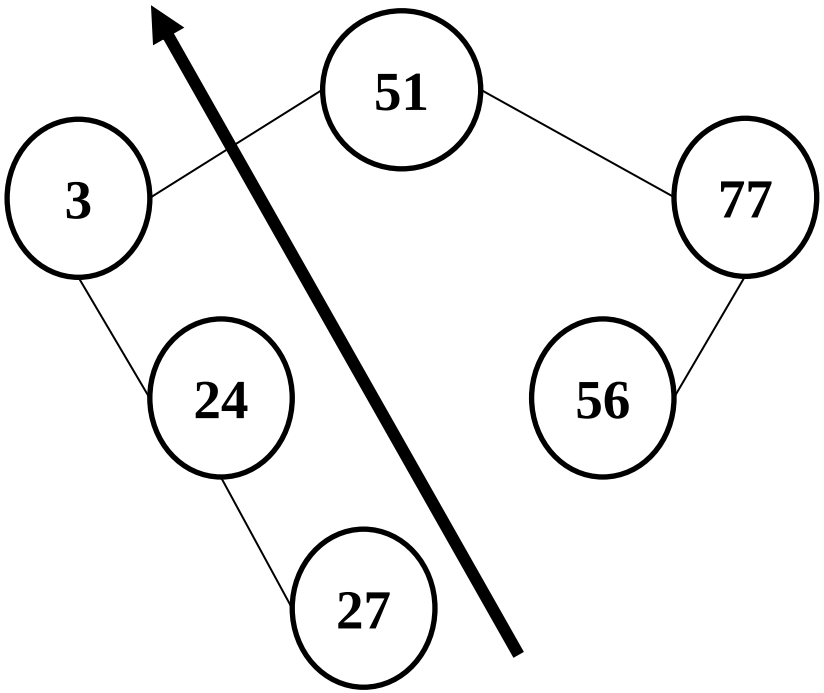
# Question 4.

**Insertion of Numbers:**

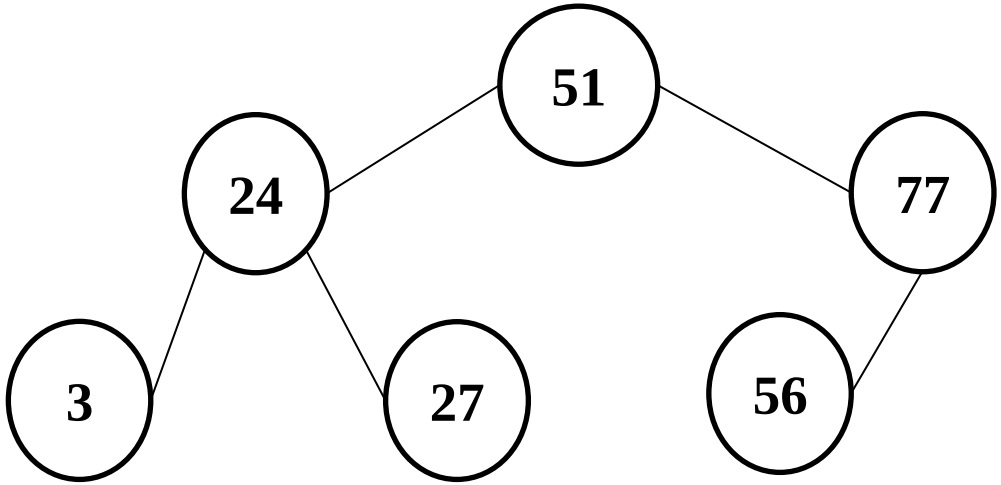
**Step 6**

**{77, 51, 3, 24, 56, 27, 8, 93, 64}**

**Before RR Rotation: Unbalanced**




**After Rotation: Balanced**

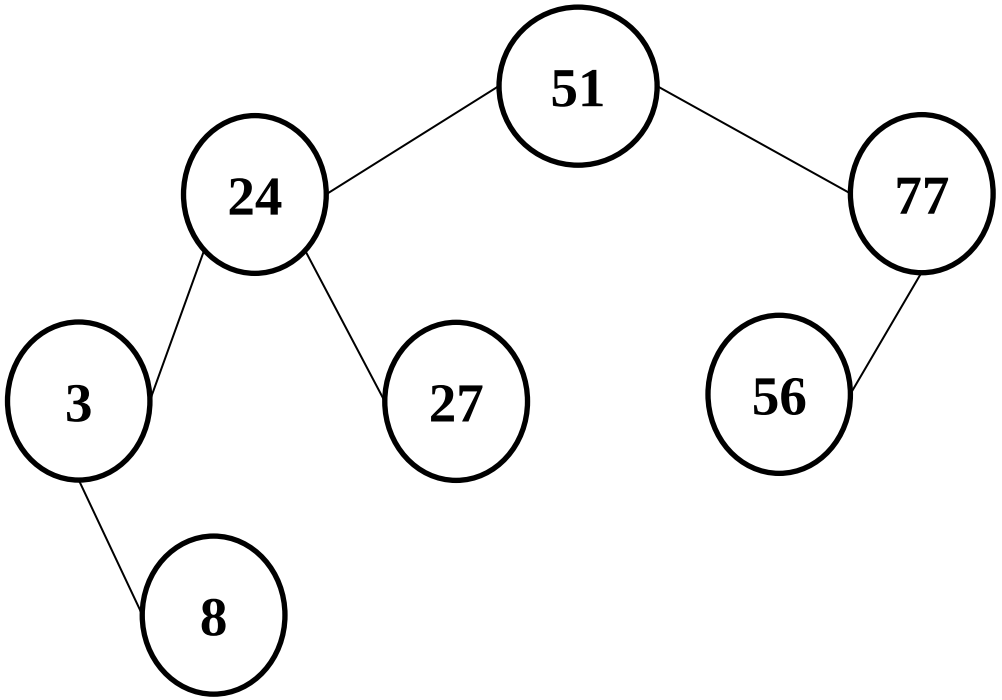


# Question 4.

**Insertion of Numbers:**

**Step 7**

**{77, 51, 3, 24, 56, 27, 8, 93, 64}**

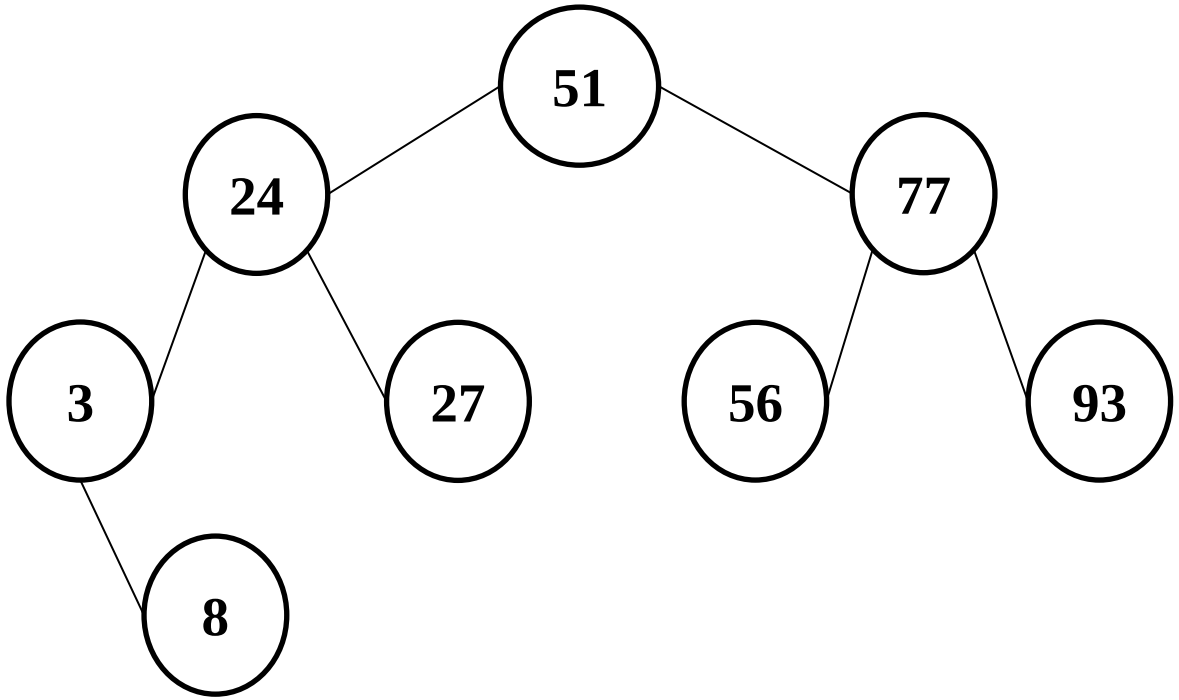


# Question 4.

**Insertion of Numbers:**

**Step 8**

**{77, 51, 3, 24, 56, 27, 8, 93, 64}**

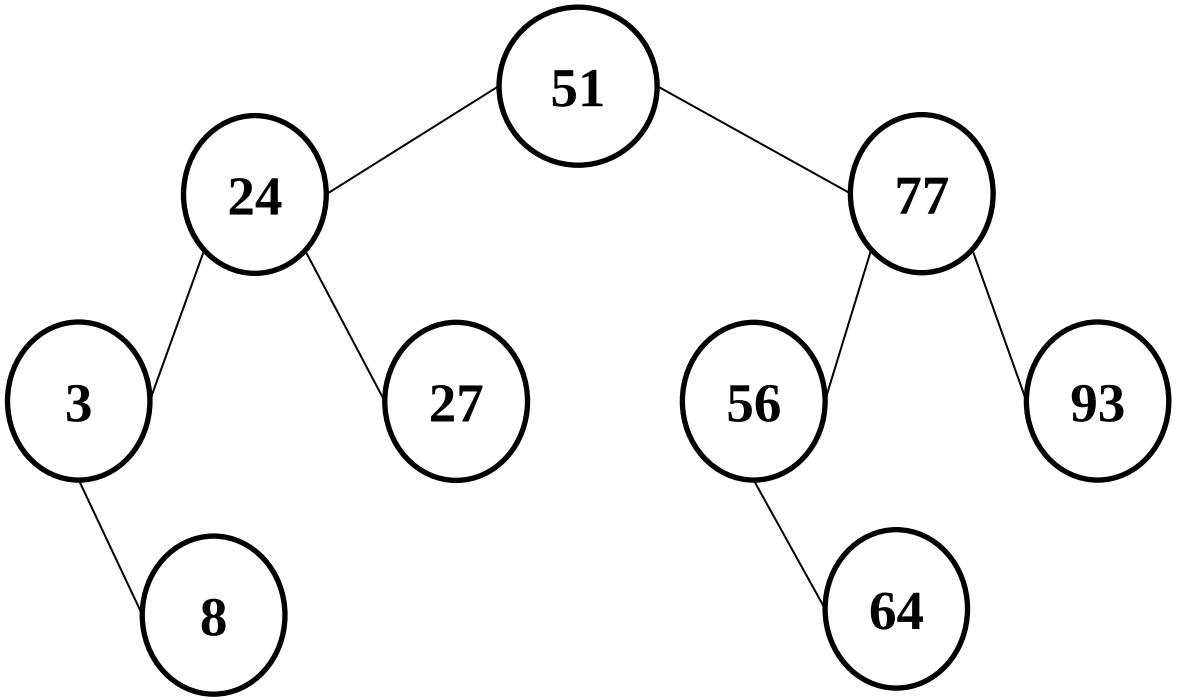


# Question 4.

**Insertion of Numbers:**

**Step 9**

**{77, 51, 3, 24, 56, 27, 8, 93, 64}**

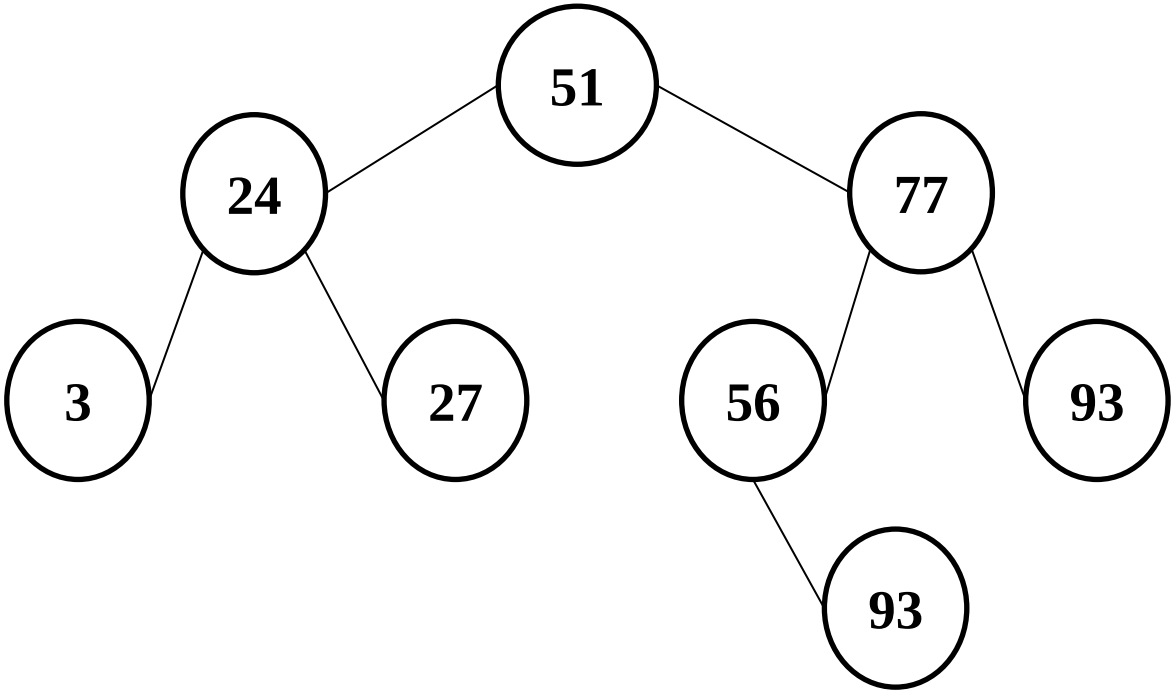


# Question 4.

**Removal of Numbers:**

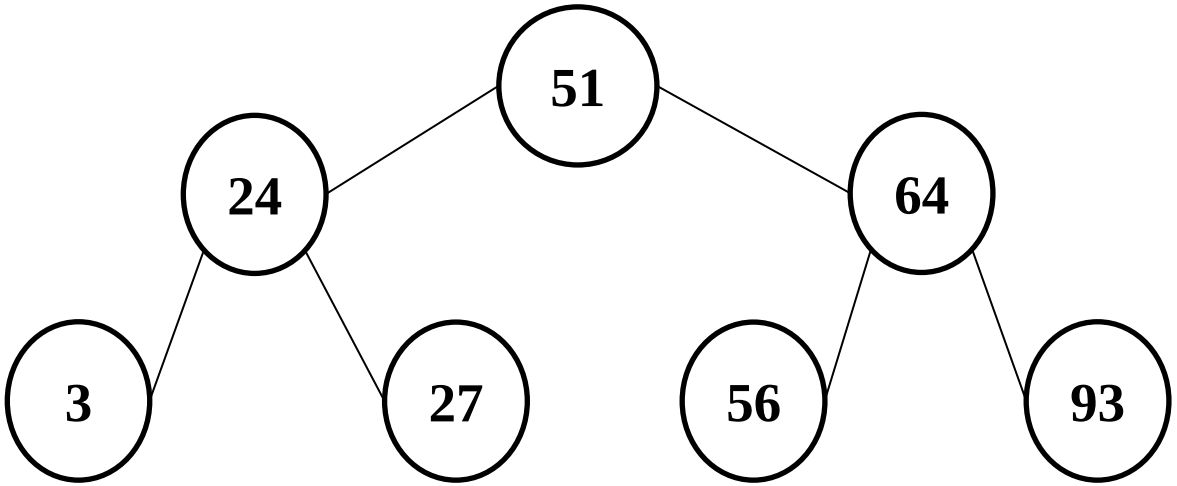
**{8, 77}**

**Step 10**



# Question 4.

**Removal of Numbers:**

**{8, 77}**

**Step 11**