# M5: Hands-On: Red-Black Trees: Submission

**Due** Apr 2 at 11:59pm **Points** 1 **Questions** 1 **Time Limit** None
**Allowed Attempts** Unlimited

## Instructions

## Hands-On: Red-Black Trees

This activity focuses on the fundamental mechanics of adding new values to a red-black tree. You should study the instructional resources on red-black trees before attempting this activity.

## Adding values

1. Open the lecture notes on Red-Black trees.
2. Review the note set to refresh your memory on this data structure.
3. Go to the slides that illustrate building a Red-Black tree from the following sequence of values: 10, 85, 15, 70, 20, 60, 30, 50, 65, 80, 90, 40, 5, 55
4. Go through each add operation in the slides and make sure you understand how each works.

### Submission

The submission page for this activity asks you to apply your

Take the Quiz Again

# Attempt History

| | Attempt | Time | Score |
|---|---|---|---|
| **KEPT** | Attempt 2 | less than 1 minute | 1 out of 1 |
| **LATEST** | Attempt 2 | less than 1 minute | 1 out of 1 |
| | Attempt 1 | 2 minutes | 0 out of 1 |

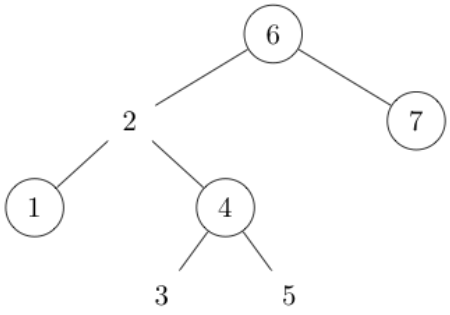
Score for this attempt: **1** out of 1
Submitted Mar 29 at 8:35pm
This attempt took less than 1 minute.

## Question 1

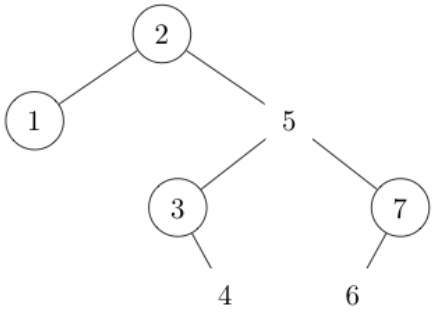
**1 / 1 pts**

Which tree would result from inserting the following values in the order in which they are written into an initially empty red-black tree? (Black nodes are circled, red nodes are not.) 2, 7, 1, 5, 3, 4, 6

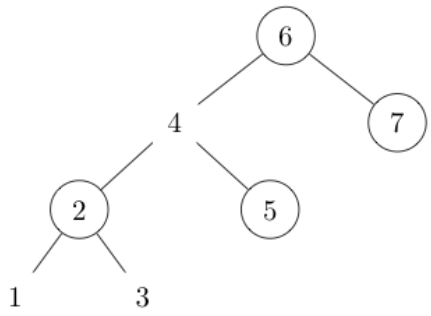
A.



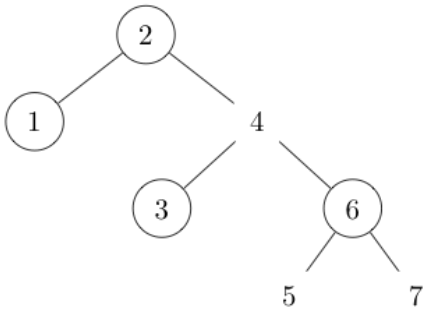

B.




C.




D.



Correct!

- A
- B
- C
- D

Quiz Score: **1** out of 1