1. True/False

T/F: If characters are inserted into a character binary search tree in the following order: ‘f’, ‘G’, ‘z’, ‘9’, ‘q’, then ‘q’ would be in the node that is the right child of the one containing ‘z’.

Answer: False, ‘q’ can be found in the left child node. (Page 442)

1. Multiple Choice

Which of the following are not common descriptors used for a tree?

1. Full
2. Complete
3. Forked
4. Balanced
5. Loaded
6. B & D
7. C & E

Answer: G. (Pages 431 – 433)

1. Fill in the Blank

There are \_\_\_\_\_\_\_\_\_\_\_ nodes are in a full binary tree of height h.

Answer: 2h – 1 (Page 434)

1. Short Answer or Code

Write code that would display the contents of a binary search tree that contains integers (and only integers) in a way that would be a reverse post-order traversal. Assume the function will be called with the root pointer as a parameter the first time.

Answer:

void postOrderDisplay( Node\* currentNode )

{

if( currentNode != NULL )

{

postOrderDisplay( currentNode->right );

cout << currentNode->data;

postOrderDisplay( currentNode->left );

}

}

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