

633243

Locating a new node's insertion point in a binary search tree stops when

- \*a. We reach a null child.
- b. We find a node greater than the node to be inserted.
- c. We reach the tree's maximum level.
- d. We find a node lesser than the node to be inserted.
- e. We find a node without any children.
- f. "
- g. "
- h. "
- i. "
- j. "

General Feedback:

Finding nodes less than or greater than the new node happens frequently as we traverse the tree. Tree's don't have maximum levels. The insertion point isn't necessarily a leaf node. The remaining option of stopping when we reach null is the correct answer because we have found the new node's parent node.

634173

What are hash functions **not** used for? (Or at least, should not be used for.)

- a. Storing values in hash tables
- b. Checking file integrity
- \*c. Encrypting passwords
- d. Digital signatures on files
- e.
- f. "
- g. "
- h. "
- i. "

General Feedback:

Hash functions should be used to store passwords, but not to encrypt them!

617508

How many objects are created in the following declaration?

String name;

- \*a. 0
- b. 1

- c. This declaration causes a run-time error
- d. It is not legal to write this declaration in Java
- e.
- f. "
- g. "
- h. "
- i. "

General Feedback:

**It is not legal to write this declaration in Java**