

King Saud University
College of Computer and Information Sciences
Computer Science Department

CSC 212

First Semester 1439-1440

Tutorial #10

Problem 1:

Insert into an empty AVL tree the following keys:

70, 80, 40, 20, 90, 10, 60, 50, 30

Problem 2:

Remove the following keys from the final AVL tree in problem 1

90, 40, 30

Problem 3:

Perform the following operations on the AVL tree below:

Insert 24, Insert 78, Insert 35, Remove 32, Remove 87.

Each operation is independent of the others and must be performed on the original tree.

Make sure to mention the rotation performed (none, single, double).

