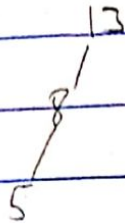


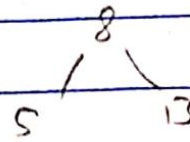
DAA

1.)

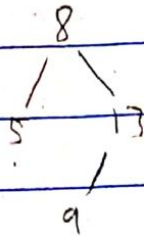
Insert 5



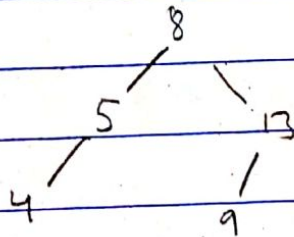
Right Rotate



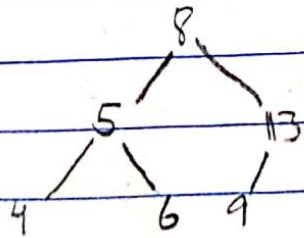
Insert 9



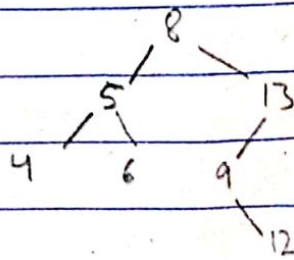
Insert 4



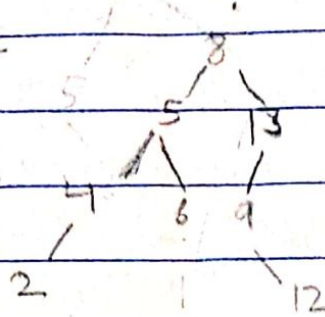
Insert 6



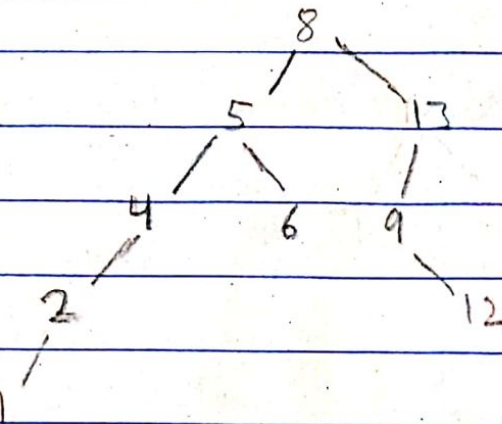
Insert 12



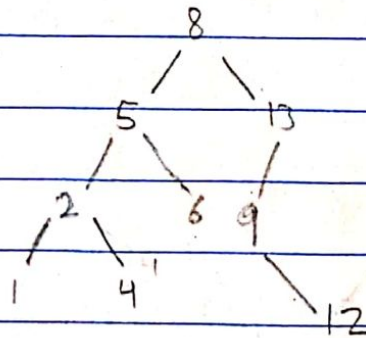
Insert 2



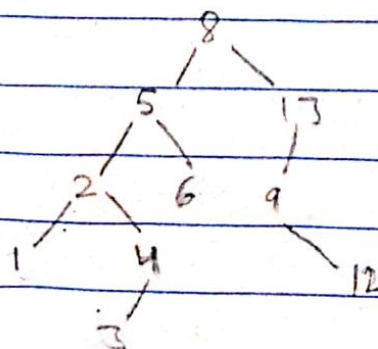
Insert 1



Right Rotate
↓



Insert 3



Q2.)

Verify AVL (mode)

if (mode == NULL)

return TRUE

if (mode → left == NULL && mode → right == NULL)

mode → height = 0

mode → left tree height = -1

if (mode → left != NULL)

if (mode → left → Key < mode → Key)

True

else

False

Verify AVL (mode → left)

mode → left tree height = mode → left → height

if (mode → right != NULL)

if (mode → right → Key > mode → Key)

True

else

False

Verify AVL (mode → right)

mode → right tree height = mode → right → height

if (mode \rightarrow rightTree height - mode \rightarrow leftTree height
 > 1)

False

else

True