

CSN-261 L3 REPORT

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PROBLEM STATEMENT 1:

Objective:

1) Create BST, RED BLACK TREE, and AVL from inorder of BST.

Algos Used:

Binary Tree, Structures, Vector

```
DATA:25
ENTER CHOICE:
1:INSERTION IN BST AND RED BLACK TREE:
2:CREATE AVL FROM INORDER:
3:PRINT IN ORDER OF BST AVL AND RED BLACK TREE:
4:LEVEL PRINT OF ALL:
-1:EXIT:
4
BST
10 5
    20 4
        30 3
            25 2
            40 2
                50 1

AVL
25 3
    10 2
        20 1
        40 2
            30 1
            50 1
```

```

AVL
10
20
25
30
40
50

RED BLACK
10
20
25
30
40
50

ENTER CHOICE:
1:INSERTION IN BST AND RED BLACK TREE:
2:CREATE AVL FROM INORDER:
3:PRINT IN ORDER OF BST AVL AND RED BLACK TREE:
4:LEVEL PRINT OF ALL:
-1:EXIT:

```

PROBLEM STATEMENT 2:

Objective:

1)Find triplets such that consecutive xor of one part equal to another part.

Algos Discuss:

DP, Vectors, Map.

```

3
5 7 2
1 2 3
1 3 3
2

Process returned 0 (0x0)   execution time : 3.381 s
Press ENTER to continue.

```