Date: 25/4/2024   Set No: 3
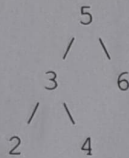Duration: 2:30 Hours.   Total Marks: 40

Roll no: CS23I1027   Name: YERRAGOLAM HARITH

1. Write a C program to create a mirror image of a binary tree. (Mirror of a Binary Tree T is another Binary Tree M(T) with left and right children of all non-leaf nodes interchanged.)
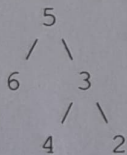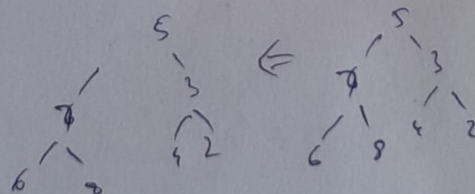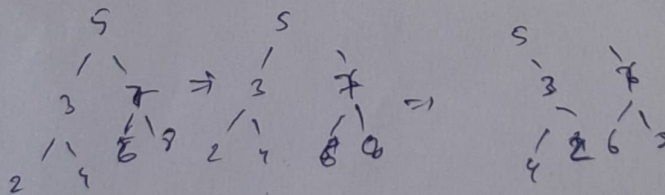
   Input:
   ```
         5
        / \
       3   6
      / \
     2   4
   ```
   Output:
   ```
   Inorder of original tree: 2 3 4 5 6
   Inorder of mirror tree: 6 5 4 3 2
   Mirror tree will be:
         5
        / \
       6   3
          / \
         4   2
   ```

2. Write a C program to check does the single linked list is palindrome or not?