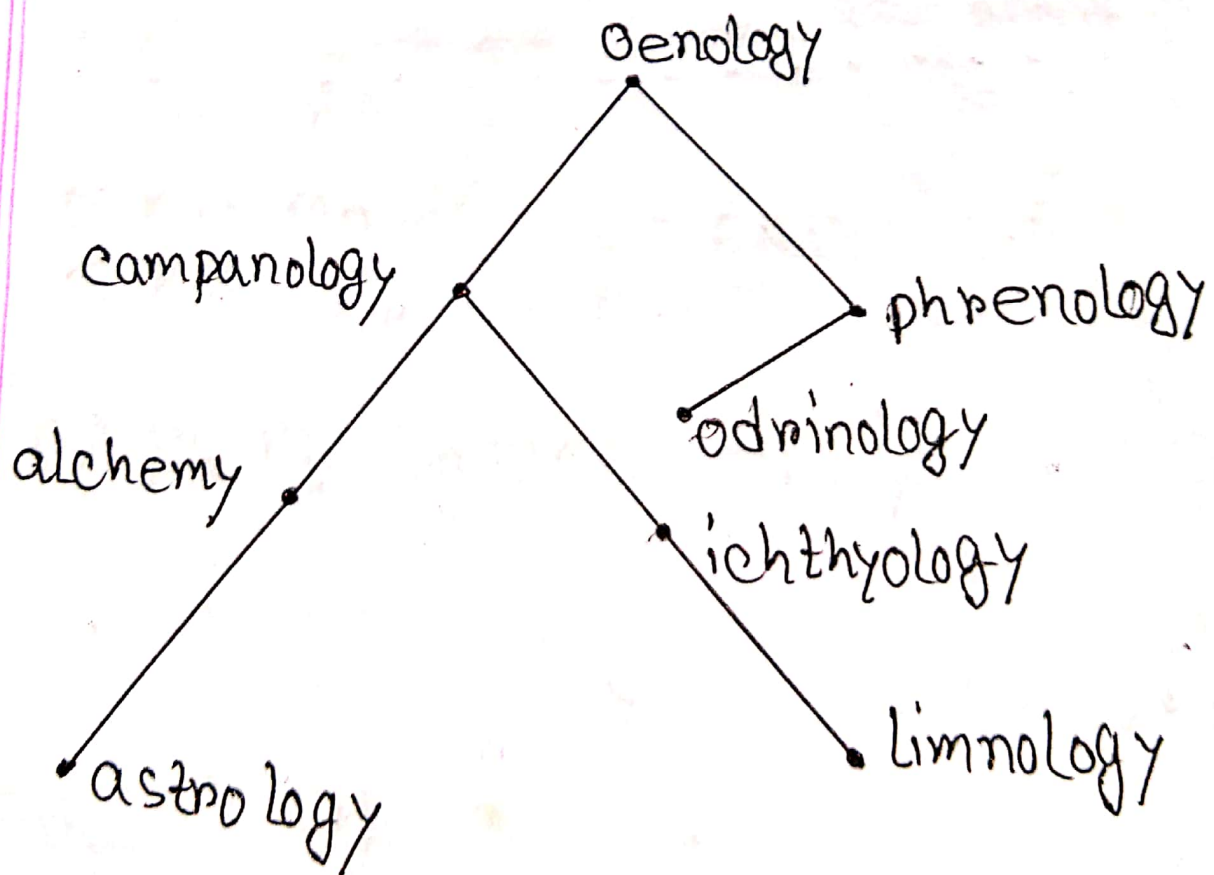# Assignment 1

Name: Nafinur Leo
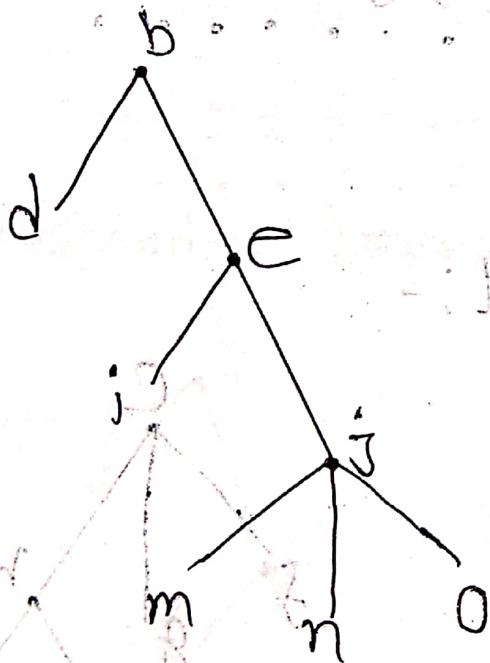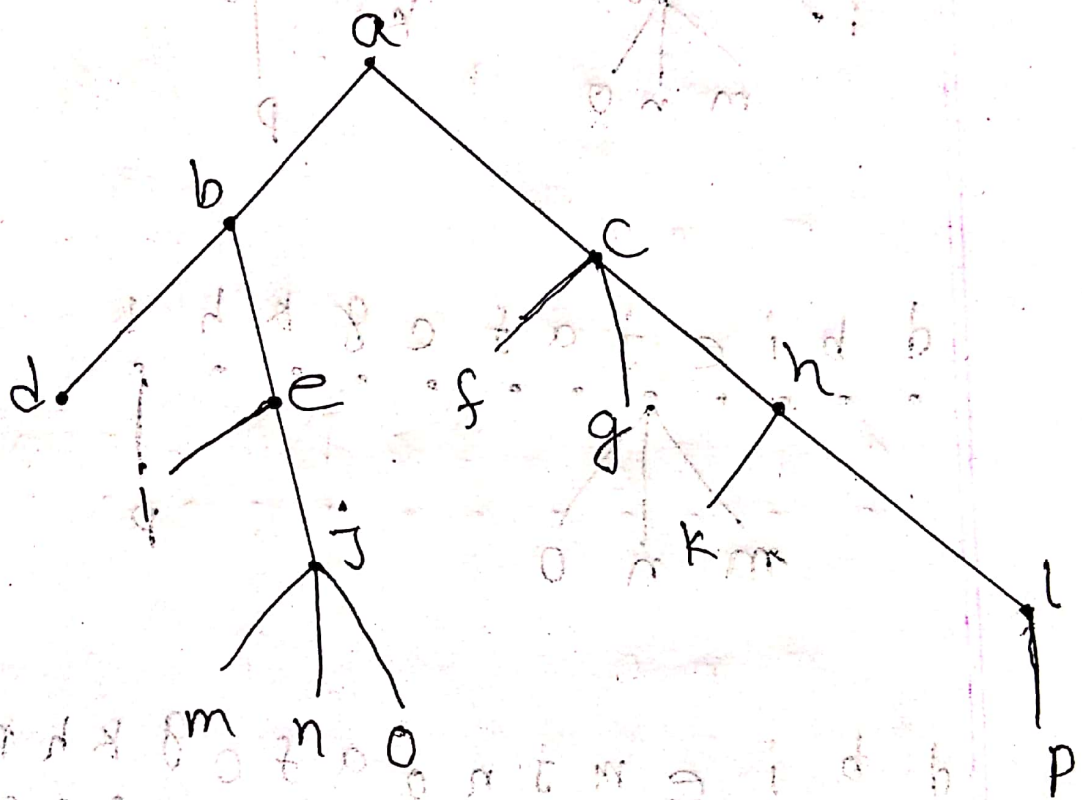
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Section : S
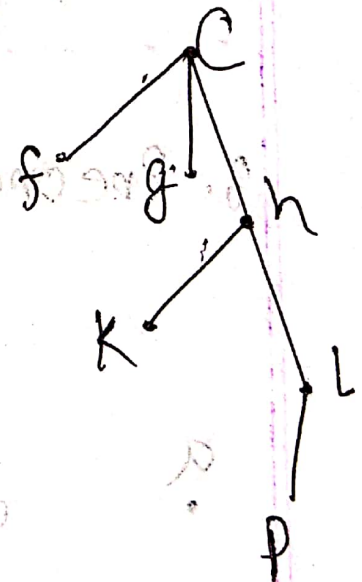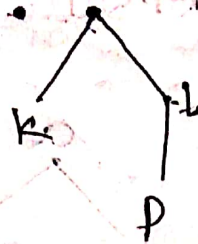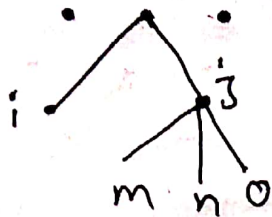
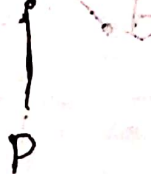## 1. Binary Search Tree (BST):-

2. Inorder traversal:-

d b e a f c g h
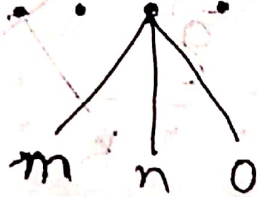
d i j m n o

k l p

d b i e j a f c g k h l

m n o

p

d b i e m j n o a f c g k h p l

3. Preorder traversal :-

a

b

d e

i

j

m n o

c

f g h

k l

p

a b d e c f g h

i j
m n o   k   l
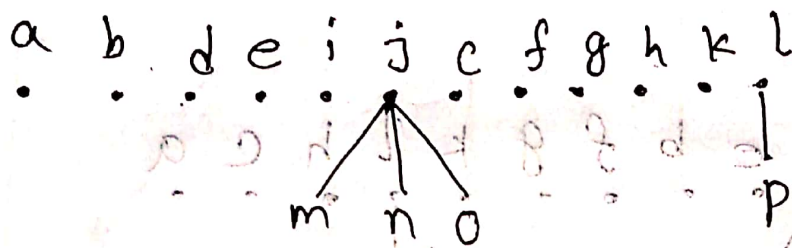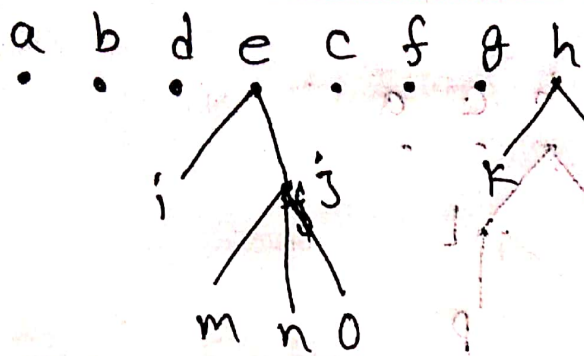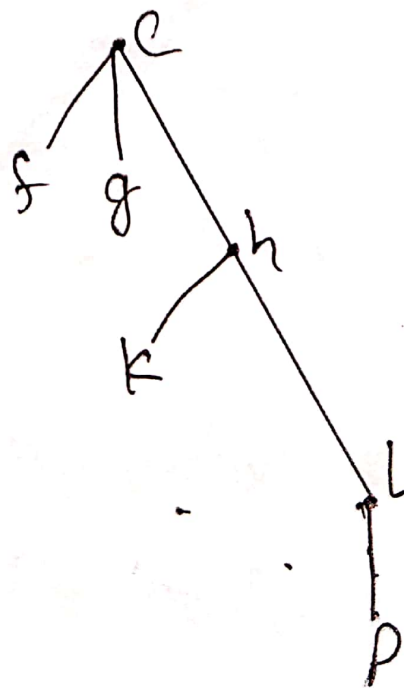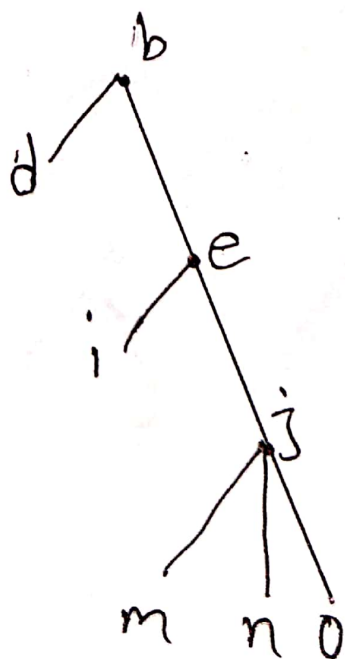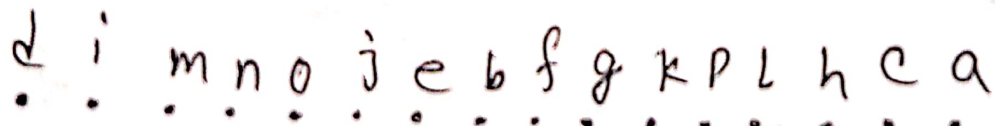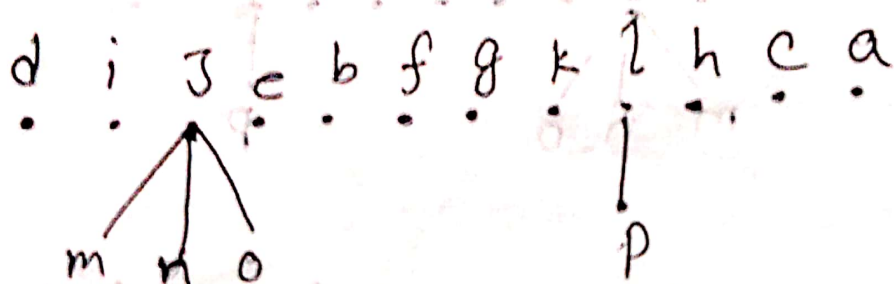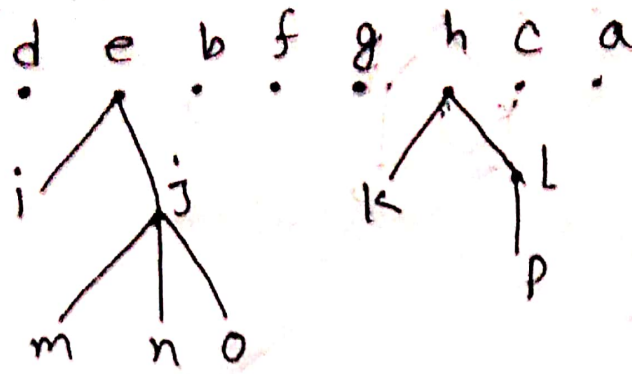   p

a b d e i j c f g h k l

m n o
q   p

a b d e i j m n o c f g h k l p

4. Postorder traversal:-

b
d   e
i   j
m n o

c
f g h
k
l
p

a

d e b f g h c a

i j k l

m n o p
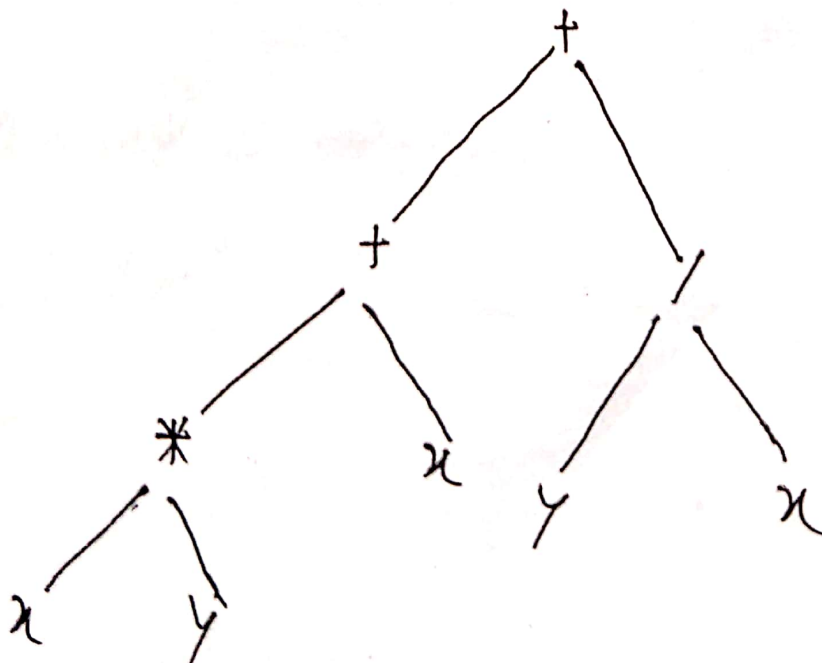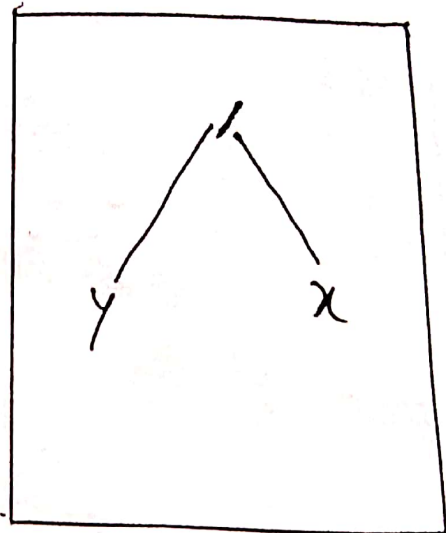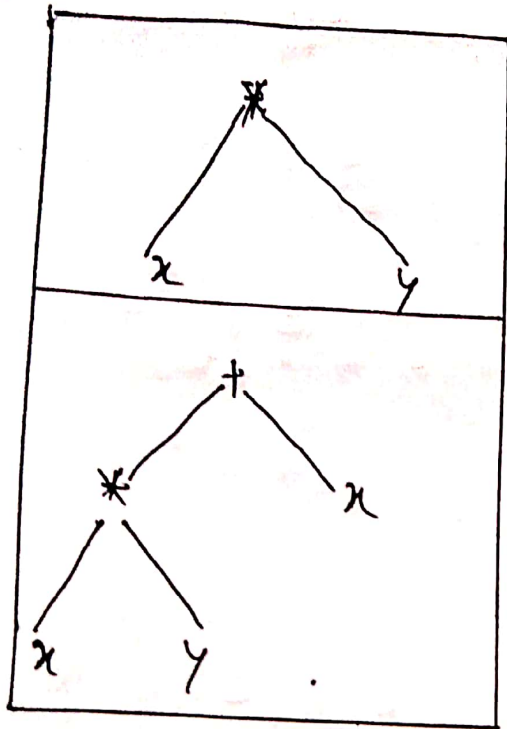
d i j e b f g k l h c a

m n o p

d i m n o j e b f g k p l h c a
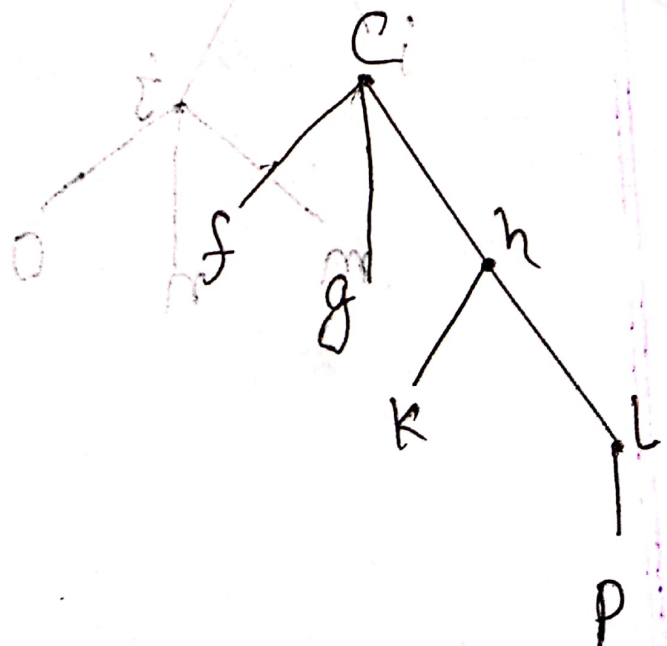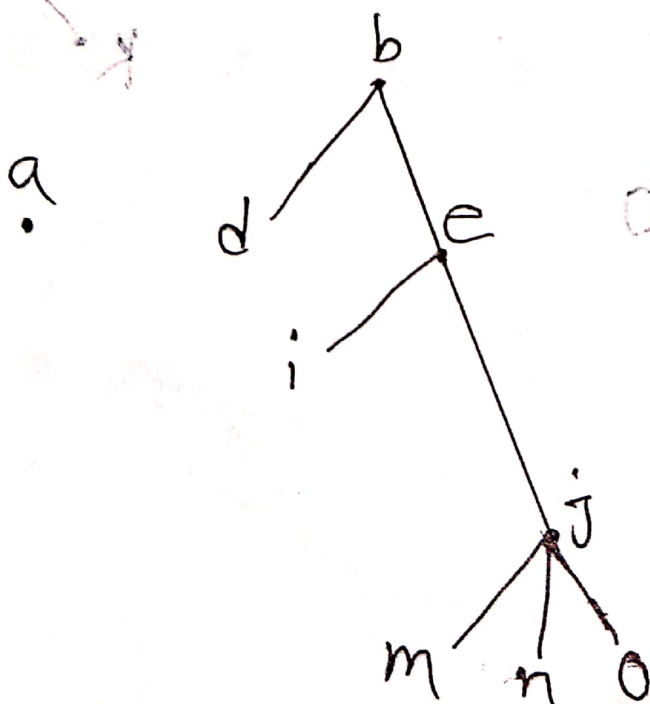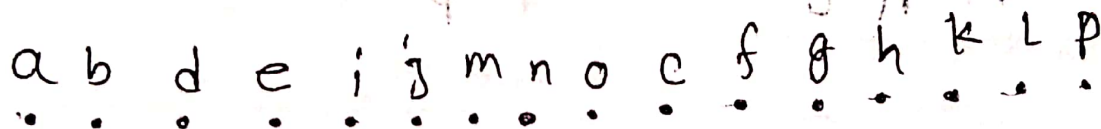
5. The expression $(x + x * y) + (y / x)$:-

The prefix :- $* + + x y x / y x$

The postfix :- $x y * x + y x / +$