Data Structures (CS301)

Assignment 04 Solution

Question: Use Huffman Encoding technique to encode the following string.

"You will receive this message in two days"

Solution:

Note: The solution of this assignment may vary from student to student because students may have created the tree with their own choices of nodes with same and different frequencies.

Step 1: Create Frequency table.

Letters	Frequency
SP	7
A	2
C	1
D	1
E	5
G	1
H	1
I	4
L	2
M	1
N	1
O	2
R	1
S	4
T	2
U	1
V	1
W	2
Y	2

Table 1: Frequency Table

Step 2: Draw Binary tree based on characters and their frequencies given in Table1, which is as follows: