Program Assignment 2

Introduction to Data Structures and OO

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Due: 15/05/2021

**Get the definition of Huffman concept & code from WiKi or TA.

Part 1: Write a C++ to build a Huffman tree by using the following alphabets

and their weight:

A = 7	B = 2	C = 2	D = 3	E = 11	F = 2	G = 2
H = 6	I = 6	J = 1	K = 1	L = 4	M = 3	N = 7
O = 9	P = 2	Q = 1	R = 6	S = 6	T = 8	U = 4
V = 1	W = 2	X = 1	Y = 2	Z = 1		

Part 2.: Write a C++ program to read characters from the keyboard and

convert them to your Huffman code. Include a function in your

program that converts Huffman

code back to text. Use it to verify that the code entered from the

keyboard was converted correctly.