

CP3110: ASCII Code Lab Exercise

Name: _____ - Student Number: _____

1. Using the ASCII table distributed in class, what is your first name (in English) in ASCII codes (using base 10 numbers)?

2. If you wanted to sort the following words by using their ASCII codes, what would you have to do to ensure that they would be alphabetical?

Alphabet

banana

xray

LIMA BEANS

Lima Peru

3. Complete the following table:

Binary	Octal	Decimal	Hexadecimal
0000			
0001			
0010			
0011			
0100			
0101			
0110			
0111			
1000			
1001			
1010			

1011			
1100			
1101			
1110			
1111			

4. Complete the following table so that the numbers in each row have the same value (the first row is completed as an example:

Binary	Octal	Hexadecimal	Decimal
11101101	355	ED	237
			10
	7		
	775		
		F	
			16
		FF	
01100110			
		1C	
	66		

5. How many bits would be required to store the largest possible:

a. 1 digit decimal number? _____

b. 3 digit decimal number? _____.

c. 5 digit decimal number? _____.