Sample Test on Functions

This is how you can rate yourself:

- A – If you can do the following three questions in 15 minutes.
- B – If you can do the following three questions in 30 minutes.
- C – If you can do the following three questions in 45 minutes.
- D – If you cannot do all three questions.
- F – If you cannot even do one question.

1. Write a function called isVowel() that takes one character argument. The function returns true if the character is a vowel, and false otherwise.

2. Write a function called allVowels() that takes three individual characters. The function returns true if all three characters are vowels, and false otherwise. It should use the helper function isVowel() for this. For example, a, u, e will return true.

3. Write a function called alternateVowels() that takes three individual characters. The function returns true if the first and the third character are vowels, and the second character is a non-vowel. Otherwise it returns false. It should use the helper function isVowel() for this. For example, a, w, i will return true.

4. Write a function called twoVowels() that takes three individual characters. The function returns true if any two of the characters are vowels and one is a non-vowel. Otherwise it returns false. It should use the helper function isVowel() for this. For example, a, w, i will return true, and a, i, w will also return true.