## Assignment 3.5.1: Song as a Function

List two reasons to use a function in programming.

Based on the example shown below, choose a song and represent it as a program with **function definitions**, **function calls** and **function parameters** (variables). Suggestions for song choices:

This Old Man The Wheels on the Bus Hickory Dickory Dock Five Green and Speckled Frogs Hokey Pokey Another appropriate song that has meaning for you.

Example: Chorus(sound) [Function Definition] With a sound, sound here, And a sound, sound there, Here a sound, there a sound, Everywhere a sound, sound,

Song Old MacDonald had a farm, E-I-E-I-O. And on his farm he had some chickens, E-I-E-I-O. Chorus(cluck) [Function Call] Old MacDonald had a farm, E-I-E-I-O.

Old MacDonald had a farm, E-I-E-I-O. And on his farm he had some ducks, E-I-E-I-O. Chorus(quack) [Function Call] Old MacDonald had a farm, E-I-E-I-O.

Old MacDonald had a farm, E-I-E-I-O. And on his farm he had some pigs, E-I-E-I-O. Chorus(oink) [Function Call] Old MacDonald had a farm, E-I-E-I-O.

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Old MacDonald had a farm, E-I-E-I-O. And on his farm he had some dogs, E-I-E-I-O. Chorus(woof) [Function Call] Old MacDonald had a farm, E-I-E-I-O.

Old MacDonald had a farm, E-I-E-I-O. And on his farm he had some cows, E-I-E-I-O. Chorus(moo) [Function Call] Old MacDonald had a farm, E-I-E-I-O.

## OR

Chorus(sound) [Chorus Function Definition] With a sound, sound here, And a sound, sound there, Here a sound, there a sound, Everywhere a sound, sound,

Verse(animals, sound) [Verse Function Definition] Old MacDonald had a farm, E-I-E-I-O. And on his farm he had some chickens, E-I-E-I-O. Chorus(cluck) [Chorus Function Call] Old MacDonald had a farm, E-I-E-I-O.

Song Verse(chickens,cluck) [Verse Function Call] Verse(ducks, quack) [Verse Function Call] Verse(pigs, oink) [Verse Function Call] Verse(dogs, bark) [Verse Function Call] Verse(cows, moo) [Verse Function Call]

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