**Program 2**

You have been asked to write a program to keep children of all ages busy on a long trip. The program will allow the user to play the high/low game on a computer. The program will generate a random number from 1-64 inclusive (I will show you show to do this.). The user will have 7

tries to guess it. If the user’s guess is outside the range specified, tell the user so and ask for another try, but don’t count it as a try until the guess is within the range. If the user’s guess is too high or too low, the computer will tell them which and allow the user another guess until 7 guesses have been exceeded. If the user guesses the correct number, the program will say so and not ask for anymore guesses for that game. If the player loses, say so and display the random number. The program will then ask if the user wants to play again. If yes, a new random number will be generated.

At the end of the last game, the computer will display how many games were won and what percent were won to 3 decimal places. See the sample below. You will need to use a for loop, two different types of while loops, if/elif/else, and the random function among other things.

