The reason I enrolled in this course is to learn skills to do data analysis. Hence, I would like to analyze some data using python pandas function. I watched a few videos on LinkedIn and repeated what they coded on my visual studio. I feel I only know how to load a dataframe, and how to read a whole dataframe and how to creat a new column. But I cant analyze the data. In that way I have nothing to present if I choose to use pandas function.

I had to choose another project. The random function and if else statement are my familiar methods. Therefore, guessing a number game become my actual first software project.

In version 1 code file, I use random method to generate a random number. Then I use input method for the user to type their name. It is more like a game if the computer know user’ names. I use print method to ask a question as a computer and let them know the guessing range. To take user’s guess, I use input method and turn the string into a number by using int.

To provide feedback and check the user’s answer, I provide 3 types of feedback by using if statements.

In version 2, I try to define the guessing game. First, I want to define the random range by using (1,x). But it has error and shows that x is not define. I have to define a lucky\_number by giving a range. Then I tried to use flag and break methods to determine when to stop guessing. I followed the videos but failed again. At last, I have to use print method to ask user to hit the play button again for a new guess.

In version 3, I only use while loop to make sure the user can guess again. I use this while loop blocks from online. What I learnt is to create integer variables before while loop. First I decided the numbers of the guess by using guess\_limit=5. Then I state the guess\_count less than guess\_limit , the user continue the guessing game by input the number. Remember to increment the variable guess\_count by 1. I am not sure how the guess\_count works. There is an if statements in the while loop. When the guess is right, I use break statement to stop the game. When the guess is wrong, the else statement is to return another guess.

In version 4, I combined the random and while loop code blocks frome version 1 and version 3. In this advanced version, the computer generate a random number for the user to guess. And the user still has 5 chances to guess. Before the games starts, I use print method to state there are 5 chances.

In version 5, based on version 4, I would like to print out how many chances are left while keep the while loop. But there are a lot of errors.