

Seth Dunfield

Lab assignment 3 screen shots.

```
5 while loop:
6     print("Welcome to the Flarsheim Guesser!")
7     print()
8     print("Please think of a number between and including 1 and 100.\n")
9     div_by_3 = int(input("What is the remainder when your number is divided by 3?: "))
10    div_by_5 = int(input("What is the remainder when your number is divided by 5?: "))
11    div_by_7 = int(input("What is the remainder when your number is divided by 7?: "))
12
```

All my print statements and early variables. I knew I wanted to have a while True loop because that is what I did for the program in my lecture class when it asked the user to play again.

```
12
13 while div_by_3 < 0:
14     print("The value entered must be 0 or greater, and less than 3")
15     div_by_3 = int(input("What is the remainder when your number is divided by 3?:"))
16 while div_by_3 > 2:
17     print("The value entered must be less than 3")
18     div_by_3 = int(input("What is the remainder when your number is divided by 3?:"))
19 while div_by_5 < 0:
20     print("The value entered must be 0 or greater, and less than 3")
21     div_by_5 = int(input("What is the remainder when your number is divided by 5?:"))
22 while div_by_5 > 4:
23     print("The value entered must be less than 5")
24     div_by_5 = int(input("What is the remainder when your number is divided by 5?:"))
25 while div_by_7 < 0:
26     print("The value entered must be 0 or greater, and less than 7")
27     div_by_7 = int(input("What is the remainder when your number is divided by 7?:"))
28 while div_by_7 > 6:
29     print("The value entered must be less than 7")
30     div_by_7 = int(input("What is the remainder when your number is divided by 7?:"))
31
```

Code for getting the numbers to be divided correctly.

```
1 #Seth Dunfield, CompSci 101L-004L, September 29th, 2021
2
3 import math
4 loop = True
5 while loop:
```

Forgot I needed to import math and made an additional external True statement so I can break easily if the input was "N" or "n".

```
32     for x in range(1, 101):
33         if x % 3 == div_by_3 and x % 5 == div_by_5 and x % 7 == div_by_7:
34             print("Your number was", x)
35             print("How amazing is that?")
36             print()
37             choice = input("Do you want to play again? Y to continue, N to quit :\n")
38             while choice != "N" and choice != "n" and choice != "Y" and choice != "y":
39                 choice = input("Do you want to play again? Y to continue, N to quit :\n")
40             if choice == "N" or choice == "n":
41                 loop = False
42             break
```

Code for getting the user to properly answer if they wanted to play again or if they typed something other than Y or N.