

2a. The programming language I'm using is Python. The purpose of my program is to have the computer get a random number from 1-100 and I have to guess that number and if it's too low or too high it will tell me but I only have 10 attempts to get it right. The video shows the function of the computer telling if it's too low or too high and telling you when you got it right.

2b. The incremental and iterative development of my random number guesser are as follows; when I run the computer responds by saying "Welcome to the Number Guesser Game! I am thinking of a number between 1 and 100. Try me, bro! Cause it is HIGH NOON!". When giving your guess you either receive: "You know what grinds my gears? WHEN SMART PEOPLE GET THIS WRONG! COME ON! The answer is right in front of you! JUST DO IT! Too low. Try me, bro! Cause it is HIGH NOON!" or "Does it hurt when I touch you because you got it wrong? Because I think you need medical assistance. I have a few concerns. Too high. Try me, bro! Cause it is HIGH NOON!". The difficulties were making it run correctly without any complication with syntax, spacing, and defining specifics. The development was collaborative.

2c.

```
while guessesTaken < 10:
    print('Try me, bro! Cause it is HIGH NOON!')
    guess = input()
    guess = int(guess)
    guessesTaken = guessesTaken + 1
    if guess < number:
        print('You know what grinds my gears? WHEN SMART PEOPLE GET THIS WRONG!')
        print('COME ON! The answer is right in front of you! JUST DO IT!')
        print('Too low.')
    if guess > number:
        print('Does it hurt when I touch you because you got it wrong? Because I think you need medical assistance.')
        print('I have a few concerns.')
        print('Too high.')
```

In this section of code the computer has already got one number from 1-100 and has introduced you to the game. It then basically says that you only have 10 tries to guess the number the computer has got. The program keeps track of how many times you've guessed adding up and keeping track of the guesses I've took. It also tells you if you're too low or too high and gives you something from memes.

2d.

```
import random

guessesTaken = 0

print('Welcome to the Number Guesser Game!')

number = random.randint(1,100)
print('I am thinking of a number between 1 and 100.')

while guessesTaken < 10:
    print('Try me, bro! Cause it is HIGH NOON!')
    guess = input()
    guess = int(guess)
    guessesTaken = guessesTaken + 1
```

In this section of code the computer imports a random number between 1-100 and doesn't tell you what it is instead tells you yo guess that number. It shows that you start off the game with no guesses and welcomes you to the game "Welcome to the Number Guesser Game!". It also shows you that you only get 10 tries to get the number right. Each guess gives the computer input it needs to determine if its too low or too high and count your guesses.