

Week 3 In-class Exercise

1) What's the difference between these two statements?

Look at the following snippets of code and describe what the difference is between `=` and `==`.

```
1. x = 5
2. x == 5
```

2) Write a high low guessing game.

The computer generates a random number between 1 and 50 and asks the user to guess the number. (Hint: Use the random module.)

If the user guess is too low, the computer says "Too low. The number is ...". If the user guess is too high, the computer says "Too high. The number is ...". If the user guess is correct, the computer says "You win! The number is ...".

Sample Input #1

Please guess a number: 25

Sample Output #1

Too high. The number is 23

Sample Input #2

Please guess a number: 2

Sample Output #2

Too low. The number is 46

Add-on: Change the code to use nested if-else.