Guess a number

The Rules

1 **Guess a number**

2 **Keep guessing till you got it**

but only 8 times

The Code (1)

```python
import random

Print ("Today we will play a little game called 'Guess the number'.\nIn this game you have to find out which number (a
random number between 1 and 100) the computer chose. \nYou have 8 tries. The computer will always indicate whether
your the unknown number is higher or lower.")

for x in range(1):
    hidden_number=random.randint(1,101)
print("\nThe computer selected a number between 1 and 100.")

choice = int(input("Make your 1.guess: "))

if choice < 1 or choice > 100:
    choice = int(input("Please try again. You have to choose a number between 1 and 100: "))

count = 0
```

The Code (2)

```python
while hidden_number != choice and count<7:
    if choice < 1 or choice > 100:
        choice = int(input("Please try again. You have to choose a number between 1 and 100: "))
    else:
        count +=1
        if hidden_number > choice:
            print("The unknown number is higher.\n")
        elif hidden_number < choice:
            print("The unknown number is smaller.\n")
        choice = int(input("Make your next guess:"))
if hidden_number == choice:
    print("\n\nYou did it!\nThe hidden number was",hidden_number)
else:
    print("\n\nYou failed!\nThe hidden number was", hidden_number)
```

Let's play

http://localhost:8888/notebooks/Desktop/Miniproject/Project-Week-1-Build-Your-Own-Game/your-project/Code.ipynb

Learnings and Challenges

1   **From a working code to a "user-friendly" code it's a long way.**

2   **You can always improve the code.**