11DGT Practice #3 - Guessing Game

Objective - Must-Haves for A:

1. Create a computer program with the following:
    - Uses `input` and `print`
    - Uses `if` statements and `while/for` loops
    - Uses arrays[] like `guesses = []`
    - Commenting your code sensibly
    - Fill out the testing portion (paperwork)

The game rules are as follows:

- The CPU thinks of a number between 1 to 100 (Can use 35)
- The User tries to guess what it is
- The CPU will give a hint, if it's wrong, such as too high or too low.
- If the Player gets it right, the game ends!

Scoring:

- The user should only get 10 turns to find the right answer
- After 10 turns, the player should lose
- At the end of the game, they should get a summary of their guesses and what the answer was.

Example Outputs

```
Guess a number 1
Too low!
Guess a number 2
Too low!
Guess a number 3
Too low!
Guess a number 4
Too low!
Guess a number 5
Too low!
Guess a number 6
Too low!
Guess a number 7
Too low!
Guess a number 8
Too low!
Guess a number 9
Too low!
Guess a number 11
Too low!
Out of tries!
The answer was 35
```

```
Guess a number 23
Too low!
```

```
Guess a number 99
Too high!
```

```
Out of tries!
The answer was 35
Your guesses were
5
3
4
8
6
24
89
6
4
21
```

Starter Code that may help you (The assessment will have 0 starter code):

Read practice task #1 if you're not sure why this is important to not use.

```
import
                = 35

        =
        .

            = input "Guess a number!"
            = int

       = 0

       =        + 1

if            <                  # < is less than

while True

break
```

http://hilite.me/

Your version of the code:

Use the above link to highlight it nicely. Mr Chuang chose the Tango style colour.

PASTE YOUR CODE HERE

Testing and Debugging Procedures - Expected		
Document expected inputs and outputs of the program. Add more rows as needed.		
Expected Input	**Expected Output**	**Actual Output (Screenshot Evidence or copied from console)**
Examples:		

Player enters 20		
Player enters 95		
Player uses 10 guesses		

Extra Features - More complete game

Valid Numbers Only:

- If the user guesses over 100 or below 1, it shouldn't count and take a turn.

Playing again:

- When the game ends, ask the user to play again

Special Message:

- If the player is particularly lucky and guesses it in the first go, print a special message just for them

Handle non-integer inputs:

- If the user enters weird things like "hello" or 3.141592654

Merit/Excellence

Talk to Mr Chuang or read the marking schedule.