Python-based console application that simulates the Mastermind game

```
PS C:\Users\Akhil katta\OneDrive\Desktop\py> & "C:/Program Files/Python312/python.exe" "c:/Users/Akhil katta/OneDrive/Deskt
op/py/src/.py"
Welcome to Mastermind Game!
Enter the length of the secret number: 1
Player 1, set your secret number.
Enter a 1-digit secret number for Player 2 to guess: 2
```

```
1    import random
2
3    def validate_input(prompt, length):
4        while True:
5            user_input = input(prompt)
6            if user_input.isdigit() and len(user_input) == length:
7                return user_input
8            print(f"Invalid input! Please enter a {length}-digit number.")
9
10   def compare_numbers(secret, guess):
11       correct_digits = 0
12       correct_positions = 0
13
14       for s_digit, g_digit in zip(secret, guess):
15           if g_digit in secret:
16               correct_digits += 1
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
Player 2, enter your 1-digit guess: 2
Player 2's guess: 2 | Correct digits: 1, Correct positions: 1
Player 2 guessed the number in 1 attempts!
Player 2, set your secret number.
Enter a 1-digit secret number for Player 1 to guess: 
```