Python Day 6 Bonus - Guess the Number Game

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Day 6 Bonus: Guess the Number Game - Full Explanation

Part-by-Part Breakdown:

1. import random

This imports the random module to generate random numbers.

2. number = random.randint(1, 20)

Computer picks a random number between 1 and 20.

3. guess = int(input(...))

Asks the user to enter a number and converts it into an integer.

4. if-elif-else

Checks:

- If guess == number --> Correct

- If guess > number --> Too high

- Else --> Too low

5. while True + break

Repeats the guessing until correct, then breaks out of the loop.

6. tries = 0; tries += 1

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Counts how many guesses the user made.

7. Adding Max Attempts (5 tries only)

Stops the game after 5 incorrect attempts and shows the correct number.

Complete Code with Max 5 Chances:

```python
import random

number = random.randint(1, 20)
tries = 0
max_tries = 5

while tries < max_tries:
    guess = int(input("Guess a number between 1 and 20: "))
    tries += 1

    if guess == number:
        print("Correct! You win!")
        print("You took", tries, "tries.")
        break
    elif guess > number:
        print("Too high! Try again.")
    else:
        print("Too low! Try again.")

if tries == max_tries and guess != number:
    print("You lost! The number was:", number)
```

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Explanation Summary (Telugu style in English letters):

- random = computer number pick cheyatam

- input = user nunchi number tiskovatam

- if guess == number = correct check cheyatam

- elif / else = hints ivvatam

- while = loop for multiple guesses

- tries = count cheyatam

- max_tries = 5 chances lo game complete cheyyadam