

Conditionals Challenge 19: Guess My Number App

Description:

You are responsible for writing a program that will play the classic “Hi Low” game. Your program will randomly pick a number between 1 and 20. Users will then guess the number. With each guess, your program will respond that the user’s guess is either too high or too low. When the user guesses correct, or after 5 guesses, your program will end the game and summarize the results.

Step By Step Guide:

- Print a welcome message.
- Get user input for their name.
- Inform the user that you are thinking of a number between 1 and 20.
- Use the random library to generate a random integer between 1 and 20.
 - Type `import random` as the first line of code in your program.
- Allow the user to guess 5 times. Each time do the following:
 - Get the users guess.
 - If the guess is too low inform them.
 - Elif the guess is too high inform them.
 - Else the guess is the number use the break command to exit the for loop.
 - Google or reference the python documentation on how the break command works.
- If the user got the number correct, inform them and tell them how many guesses it took.
- If the user did not get the number correct after the 5th guess, let them know they lost.
- Use at least 2 comments to describe sections of your code.
- “Chunk” your code so that is readable.
- Use appropriate and informative variable names.
- Format your output as below.

Example Output 1:

```
Welcome to the Guess My Number App
```

```
Hello! What is your name: mike
```

```
Well Mike, I am thinking of a number between 1 and 20.
```

```
Take a guess: 15
```

```
Your guess is too low.
```

```
Take a guess: 20
```

```
Your guess is too high.
```

Take a guess: 19

Good job, Mike! You guessed my number in 3 guesses!

Example Output 2:

Welcome to the Guess My Number App

Hello! What is your name: MIKE

Well Mike, I am thinking of a number between 1 and 20.

Take a guess: 1

Your guess is too low.

Take a guess: 20

Your guess is too high.

Take a guess: 2

Your guess is too low.

Take a guess: 19

Your guess is too high.

Take a guess: 3

Your guess is too low.

Game Over. The number I was thinking of was 10.