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In [1]: import random

num = random.randint(1,100)
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In [2]: print("WELCOME TO GUESS ME!")
print("I'm thinking of a number between 1 and 100")
print("If your guess is more than 10 away from my number, I'll tell you you're COLD")
print("If your guess is within 10 of my number, I'll tell you you're WARM")
print("If your guess is farther than your most recent guess, I'll say you're getting COLDER"
)
print("If your guess is closer than your most recent guess, I'll say you're getting WARMER")
print("you get total 10 chances")
print("LET'S PLAY!")
```

```
WELCOME TO GUESS ME!
I'm thinking of a number between 1 and 100
If your guess is more than 10 away from my number, I'll tell you you're COLD
If your guess is within 10 of my number, I'll tell you you're WARM
If your guess is farther than your most recent guess, I'll say you're getting COLDER
If your guess is closer than your most recent guess, I'll say you're getting WARMER
you get total 10 chances
LET'S PLAY!
```

```
In [3]: guesses = [0]
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In [4]: while len(guesses)<9:

    # we can copy the code from above to take an input
    guess = int(input("I'm thinking of a number between 1 and 100.\n What is your guess? "
))

    if guess < 1 or guess > 100:
        print('OUT OF BOUNDS! Please try again: ')
        continue

    # here we compare the player's guess to our number
    if guess == num:
        print(f'CONGRATULATIONS, YOU GUESSED IT IN ONLY {len(guesses)} GUESSES!!')
        break

    # if guess is incorrect, add guess to the list
    guesses.append(guess)

    # when testing the first guess, guesses[-2]==0, which evaluates to False
    # and brings us down to the second section

    if guesses[-2]:
        if abs(num-guess) < abs(num-guesses[-2]):
            print('WARMER!')
        else:
            print('COLDER!')

    else:
        if abs(num-guess) <= 10:
            print('WARM!')
        else:
            print('COLD!')
print("your guesses are over ,the num is",num)
```

```
I'm thinking of a number between 1 and 100.
What is your guess? 30
WARM!
I'm thinking of a number between 1 and 100.
What is your guess? 22
COLDER!
I'm thinking of a number between 1 and 100.
What is your guess? 26
WARMER!
I'm thinking of a number between 1 and 100.
What is your guess? 33
CONGRATULATIONS, YOU GUESSED IT IN ONLY 4 GUESSES!!
your guesses are over , the num is 33
```