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# the import * statement imports all the functions and classes from random
from random import *
#num variable is defined and gets a random integer between 1 and 100
num = randint(1, 100)
#all of these below are print statements giving instructions to the user
that they should guess a number and the AI will let them know they’re too
high or low
print("I'm thinking of a number between")
print("1 and 100. Guess a number, and I'll tell you")
print("if you're too high, too low, or got it right.")
print("Good luck!")


#variable turns gets 1, turns variable is going to be used to count how
many attempts it took to guess the correct number. We set it to 1 because
the program counts the first attempt first and we must make it 1
turns = 1
#variable guess gets 0, guess variable is going to be used in this program
to be the leading factor if the number is too high or low. We set it as 0
first because there is no prior guess value. The guess value will always
change in this program based on user input.
guess = 0


#while loop is created. While the guess is not equal to random number, the
while loop begins:
while (guess!=num):
#guess gets the input of the user entering the number. The statement also
has the variable turns in the quotes meant to count the times the user
guesses after each guess
  guess = int(input(f"{turns}) Please enter an number:"))
# if statement starts off with if the guess imputed is greater than the
random number:
  if (guess > num):
# a print statement is output “Too High” after the guess was too high
    print("Too high!")
#turns variable now gets +1 value after the guess was imputed
    turns += 1
#elif statement is required ,else if the guess is less than num, then
there is a new condition:
  elif (guess < num):
## a print statement is output “Too low” after the guess was too low
    print("Too low!")
#turns variable now gets +1 value after the guess was imputed
    turns += 1
#if the while loop is false, the program outputs the message “Correct!”
print("Correct!")
# a message that exclaims how many turns it took with variable turns in
the middle to output the number of guess given to the AI
print("It took",turns,"turns" )
```