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CSE sec A

Roll no.--🡪202401100200072

Code:

import random

def number\_guessing\_game():

    # Generate a random number between 1 and 100

    number\_to\_guess = random.randint(1, 100)

    guesses = 0

    print("Welcome to the Number Guessing Game!")

    print("I have chosen a number between 1 and 100.")

    print("Try to guess the number!")

    while True:

        # Ask the user for their guess

        user\_guess = int(input("Enter your guess: "))

        guesses += 1

        # Check if the guess is too high, too low, or correct

        if user\_guess < number\_to\_guess:

            print("Too low! Try again.")

        elif user\_guess > number\_to\_guess:

            print("Too high! Try again.")

        else:

            print(f"Congratulations! You've guessed the number in {guesses} tries.")

            break

# Start the game

number\_guessing\_game()

Output:

Welcome to the Number Guessing Game!

I have chosen a number between 1 and 100.

Try to guess the number!

Enter your guess: 67

Too high! Try again.

Enter your guess: 78

Too high! Try again.

Enter your guess: 567

Too high! Try again.

Enter your guess: 6

Too low! Try again.

Enter your guess: