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# Define variables
num1 = 100
num2 = 29

# Perform calculations
sum_result = num1 + num2
multiplied_result = sum_result * 3
final_result = multiplied_result ** 2 # 2nd exponent (square)

# Print the result with indentation
print("    The result of the calculation was:", final_result)

    The result of the calculation was: 149769

# Get user input
name = input("Enter your name: ") # Name as string
year_of_birth = int(input("Enter your year of birth: ")) # Convert to integer
age = int(input("Enter your age: ")) # Convert to integer

# Process data
last_two_digits = str(year_of_birth)[-2:] # Extract last 2 digits of birth year
first_three_letters = name[:3] # Get first 3 letters of name
age_squared = str(age ** 2) # Square of age and convert to string

# Generate password
password = last_two_digits + first_three_letters + age_squared

# Print the password
print("Password:", password)

Enter your name: John
Enter your year of birth: 1995
Enter your age: 26

Password: 95Joh676

# Get user input
num1 = int(input("Enter the first number: "))
num2 = int(input("Enter the second number: "))

# Check even or odd conditions
if num1 % 2 == 0 and num2 % 2 == 0:
    print("Both numbers are even.")
elif num1 % 2 == 0 or num2 % 2 == 0:
    print("One of the numbers is even.")
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else:
    print("Both numbers are odd.")

Enter the first number: 5
Enter the second number: 6

One of the numbers is even.

# Get user input
num = int(input("Give an integer: "))

# Calculate the sum of numbers from 0 to (num - 1)
sum_result = sum(range(num))

# Print the result
print("The sum was:", sum_result)

Give an integer: 5

The sum was: 10

import random

def play_game(player_name):
    """Function for a single player to guess the dealer's number."""
    dealer_number = random.randint(0, 10) # Dealer generates a random
number
    tries = 0

    print(f"\n{player_name}, it's your turn to guess the number
    (between 0 and 10)!")

    while True:
        guess = int(input(f"{player_name}: "))
        tries += 1 # Increment try count

        if guess < dealer_number:
            print("Try a greater number.")
        elif guess > dealer_number:
            print("Try a smaller number.")
        else:
            print(f"That's right! Number of tries: {tries}")
            return tries # Return number of tries for this player

# Player 1 plays
player1_tries = play_game("Player1")

# Player 2 plays
player2_tries = play_game("Player2")

# Determine the winner

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if player1_tries < player2_tries:  
    print("\nWinner is Player1!")  
elif player1_tries > player2_tries:  
    print("\nWinner is Player2!")  
else:  
    print("\nIt's a tie!")
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Player1, it's your turn to guess the number (between 0 and 10)!

Player1: 2

Try a greater number.

Player1: 7

Try a smaller number.

Player1: 5

Try a smaller number.

Player1: 4

That's right! Number of tries: 4

Player2, it's your turn to guess the number (between 0 and 10)!

Player2: 2

Try a greater number.

Player2: 7

That's right! Number of tries: 2

Winner is Player2!