1. **String Slicing:**

# Substring from index 12 to the end

print(greeting[12:])

# Reversed greeting

print(greeting[::-1])

# Every second character

print(greeting[::2])

1. **String Concatenation and Conversion:**

# Concatenation of full\_name and date\_of\_birth

personal\_info = full\_name + " " + date\_of\_birth

print(personal\_info)

# Print age without conversion

print("Your age is", age)

1. **String Manipulation:**

# Convert name to lowercase

print("Your name is", name.lower())

# Replace space with underscore in full\_name

print(full\_name.replace(" ", "\_"))

# Split date\_of\_birth using "/"

dob\_parts = date\_of\_birth.split("/")

print(dob\_parts)

1. **Looping and Printing:**

# Print numbers from 5 to 15 using a for loop

for num in range(5, 16):

print(num, end=" ")

# Print characters of string b in reverse order

print(b[::-1])

1. **Conditional Statements:**

# Modified age input section

age = int(input("Enter your age: "))

if age >= 18:

print("You are eligible to vote")

else:

print("You are too young to vote")

# Check if a number is positive, negative, or zero

num = float(input("Enter a number: "))

if num > 0:

print("Positive")

elif num < 0:

print("Negative")

else:

print("Zero")

1. **Formatted Strings:**

# Formatted string using variables

print(f"{quantity} pieces of item {itemno} cost {price} dollars.")

# Using myorder string and variables

print(myorder.format(quantity, itemno, price))

1. **Boolean Logic:**

# Ask the user if they like programming

likes\_programming = input("Do you like programming? (True/False) ").lower() == "true"

if likes\_programming:

print("Great choice!")

else:

print("Keep exploring.")

1. **List Manipulation:**

# List of programming languages

languages = ["Python", "Java", "JavaScript"]

# Print each language in a separate line using a loop

for lang in languages:

print(lang)

# Add a new programming language

languages.append("C++")

print("Updated list:", languages)

1. **User Input and Math:**

# Ask the user to enter two numbers

num1 = float(input("Enter the first number: "))

num2 = float(input("Enter the second number: "))

# Perform operations and print the results

print(f"Sum: {num1 + num2}")

print(f"Difference: {num1 - num2}")

print(f"Product: {num1 \* num2}")

print(f"Quotient: {num1 / num2}")

1. **Advanced:**

# Advanced: Handle errors for non-numeric input

try:

age = int(input("Enter your age: "))

if age >= 18:

print("You are eligible to vote")

else:

print("You are too young to vote")

except ValueError:

print("Invalid input. Please enter a valid numeric age.")