# Python Syntax Demonstration on Raspberry Pi

print("Hello, Raspberry Pi!") # Printing output

# Variables and Data Types

integer\_var = 10

float\_var = 20.5

string\_var = "Raspberry Pi"

boolean\_var = True

print(f"Integer: {integer\_var}, Float: {float\_var}, String: {string\_var}, Boolean: {boolean\_var}")

# Conditional Statements

if integer\_var > 5:

print("integer\_var is greater than 5")

else:

print("integer\_var is 5 or less")

# Loop Example

for i in range(5):

print(f"Loop iteration: {i}")

# Function Example

def add\_numbers(a, b):

return a + b

result = add\_numbers(10, 20)

print(f"Sum of 10 and 20: {result}")

# Taking input from user

user\_input = input("Enter your name: ")

print(f"Hello, {user\_input}!")