Level - 2

Python

# Check the data type of all your variables using type() built-in function

print(type(first\_name))

print(type(last\_name))

print(type(full\_name))

print(type(country))

print(type(city))

print(type(age))

print(type(year))

print(type(is\_married))

print(type(is\_true))

print(type(is\_light\_on))

# Using the len() built-in function, find the length of your first name

print(len(first\_name))

# Compare the length of your first name and your last name

if len(first\_name) > len(last\_name):

print("Your first name is longer than your last name.")

else:

print("Your last name is longer than your first name.")

# Declare 5 as num\_one and 4 as num\_two

num\_one = 5

num\_two = 4

# Add num\_one and num\_two and assign the value to a variable total

total = num\_one + num\_two

print(total)

# Subtract num\_two from num\_one and assign the value to a variable diff

diff = num\_one - num\_two

print(diff)

# Multiply num\_two and num\_one and assign the value to a variable product

product = num\_one \* num\_two

print(product)

# Divide num\_one by num\_two and assign the value to a variable division

division = num\_one / num\_two

print(division)

# Use modulus division to find num\_two divided by num\_one and assign the value to a variable remainder

remainder = num\_two % num\_one

print(remainder)

# Calculate num\_one to the power of num\_two and assign the value to a variable exp

exp = num\_one \*\* num\_two

print(exp)

# Find floor division of num\_one by num\_two and assign the value to a variable floor\_division

floor\_division = num\_one // num\_two

print(floor\_division)

# The radius of a circle is 30 meters.

radius = 30

# Calculate the area of a circle and assign the value to a variable name of area\_of\_circle

area\_of\_circle = 3.14 \* radius \*\* 2

print(area\_of\_circle)

# Calculate the circumference of a circle and assign the value to a variable name of circum\_of\_circle

circum\_of\_circle = 2 \* 3.14 \* radius

print(circum\_of\_circle)

# Take radius as user input and calculate the area.

radius = float(input("Enter the radius of the circle: "))

area\_of\_circle = 3.14 \* radius \*\* 2

print("The area of the circle is", area\_of\_circle)

# Use the built-in input function to get first name, last name, country and age from a user and store the value to their corresponding variable names

first\_name = input("Enter your first name: ")

last\_name = input("Enter your last name: ")

country = input("Enter your country: ")

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

print("Your first name is", first\_name)

print("Your last name is", last\_name)

print("Your country is", country)

print("Your age is", age)

# Run help('keywords') in Python shell or in your file to check for the Python reserved words or keywords

help('keywords')