Python programming

***Author: Mehul Solanki Date: 03-Apr-2024 Version: 1.0***

Document History

|  |  |  |
| --- | --- | --- |
| *Author* | *Date* | *Comments* |
| Mehul Solanki | 03-Apr-2024 | This document will be used for learning purpose only. |

Table of Contents

[1. OVERVIEW 4](#_Toc163151138)

[2. INSTALLATION 4](#_Toc163151139)

[2.1 Operating Systems 4](#_Toc163151140)

[2.2 Create file and folder path 4](#_Toc163151141)

[2.3 First Program 4](#_Toc163151142)

[2.3.1 4](#_Toc163151143)

[2.3.2 4](#_Toc163151144)

[2.3.3 5](#_Toc163151145)

[3. Python Characters Set 5](#_Toc163151146)

[4. Variables 6](#_Toc163151147)

[4.1.1 6](#_Toc163151148)

[4.1.2 6](#_Toc163151149)

[4.1.3 6](#_Toc163151150)

[5. Data types 7](#_Toc163151151)

[5.1.1 Data types. 7](#_Toc163151152)

[5.1.2 Explain Data types. 7](#_Toc163151153)

[5.1.3 Reserved Keywords 7](#_Toc163151154)

[5.1.4 Comments 8](#_Toc163151155)

[6. Operators 8](#_Toc163151156)

[6.1 Types of operators 8](#_Toc163151157)

[6.2 Arithmetic operators 9](#_Toc163151158)

[6.3 Relational/ Comparison Operators 9](#_Toc163151159)

[6.4 Logical operators 9](#_Toc163151160)

[6.5 Type conversion 10](#_Toc163151161)

**Table of Figures**

[Figure 1 - First Program Sample 4](#_Toc163151099)

[Figure 2 - First Program sample with input and output. 4](#_Toc163151100)

[Figure 3 - First program sample with different print statement. 5](#_Toc163151101)

[Figure 4 - Python Character Set. 5](#_Toc163151102)

[Figure 5 - Python Variables. 6](#_Toc163151103)

[Figure 6 - Variable Example in programming. 6](#_Toc163151104)

[Figure 7 - Rules for identifiers. 6](#_Toc163151105)

[Figure 8 - Data types. 7](#_Toc163151106)

[Figure 9 - Data types. 7](#_Toc163151107)

[Figure 10 - Reserved Keyword. 7](#_Toc163151108)

[Figure 11 - Comments in python. 8](#_Toc163151109)

[Figure 12 - Types of Operators. 8](#_Toc163151110)

[Figure 13 - Arithmetic Operators. 9](#_Toc163151111)

[Figure 14 - Assignment operators. 9](#_Toc163151112)

[Figure 15 - Logical operators. 9](#_Toc163151113)

# OVERVIEW

# INSTALLATION

## Operating Systems

## Create file and folder path

## First Program

### 

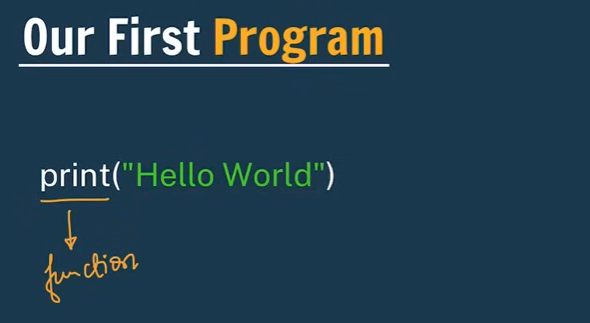


Figure 1 - First Program Sample

### 

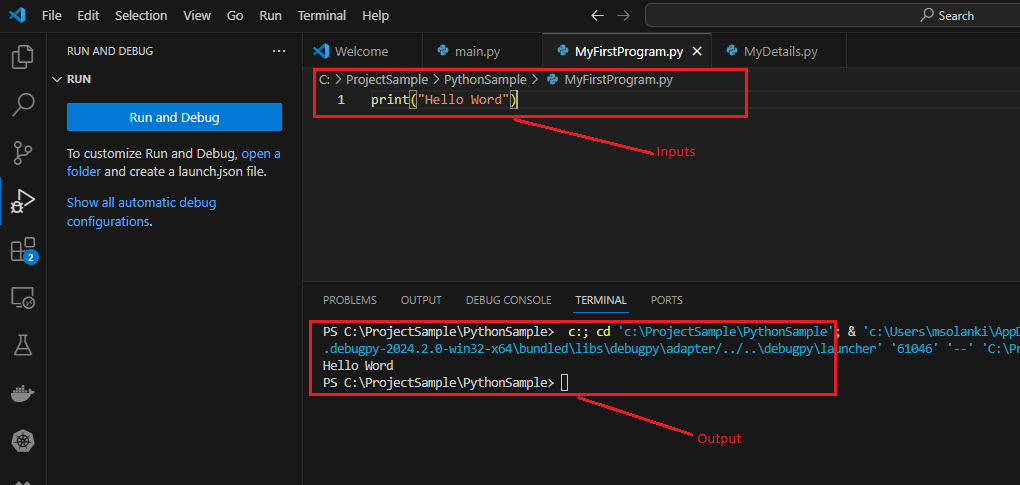


Figure 2 - First Program sample with input and output.

### 

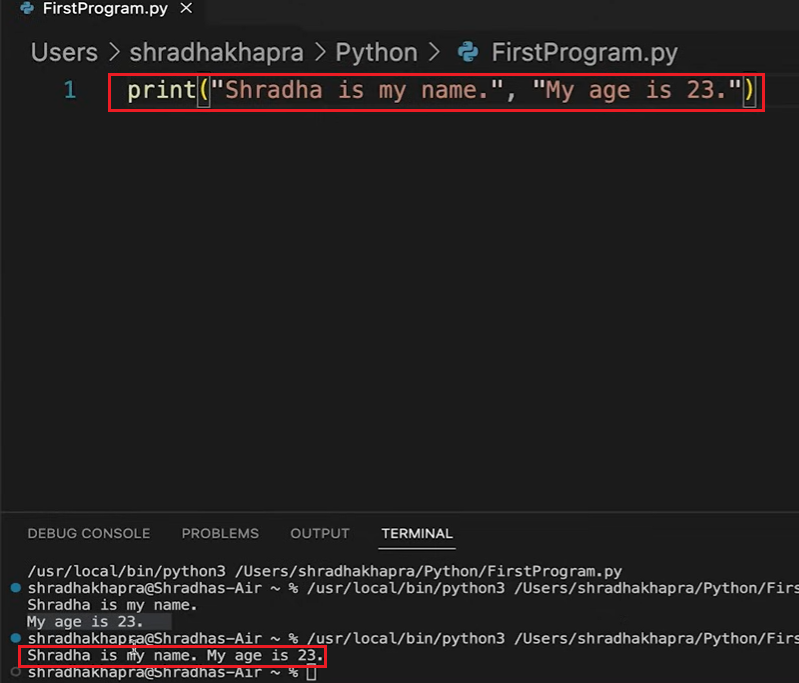


Figure 3 - First program sample with different print statement.

# Python Characters Set

A blue background with white text

Description automatically generated

Figure 4 - Python Character Set.

# Variables

### 

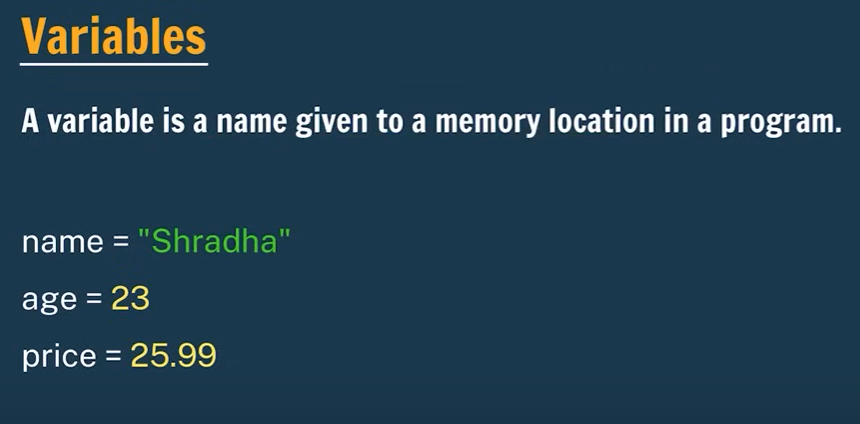


Figure 5 - Python Variables.

### 



Figure 6 - Variable Example in programming.

### 

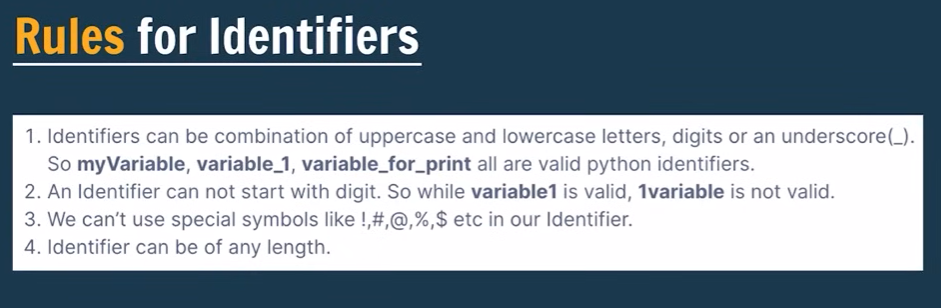


Figure 7 - Rules for identifiers.

# Data types

### Data types.

A blue background with yellow text

Description automatically generated

Figure 8 - Data types.

### Explain Data types.

A blackboard with white text

Description automatically generated

Figure 9 - Data types.

### Reserved Keywords

A screen shot of a computer

Description automatically generated

Figure 10 - Reserved Keyword.

### Comments



Figure 11 - Comments in python.

# Operators

## Types of operators

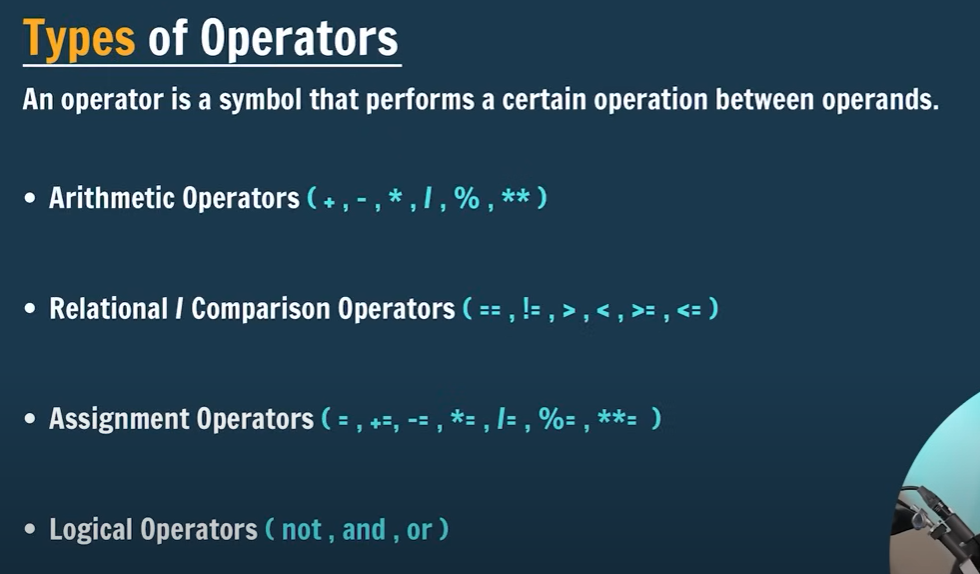


Figure 12 - Types of Operators.

## Arithmetic operators

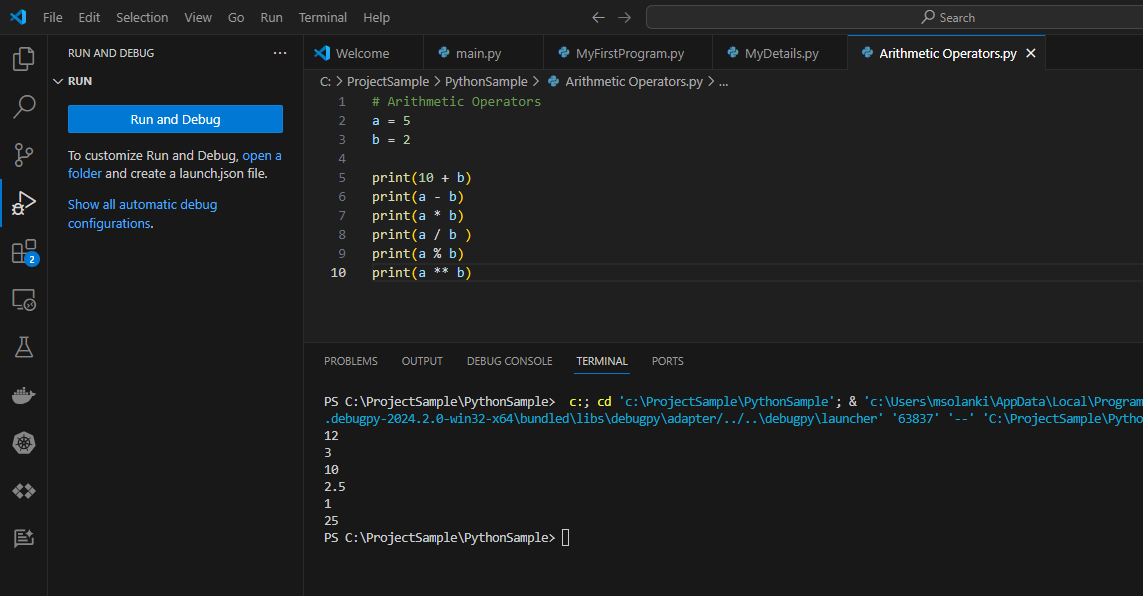


Figure 13 - Arithmetic Operators.

## Relational/ Comparison Operators

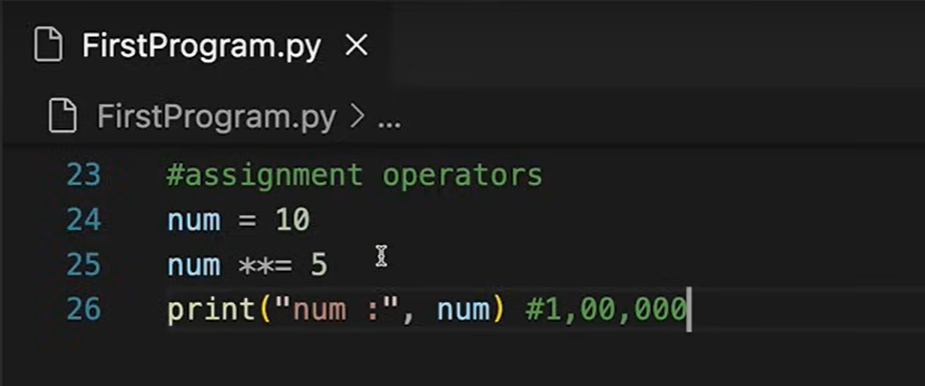


Figure 14 - Assignment operators.

## Logical operators

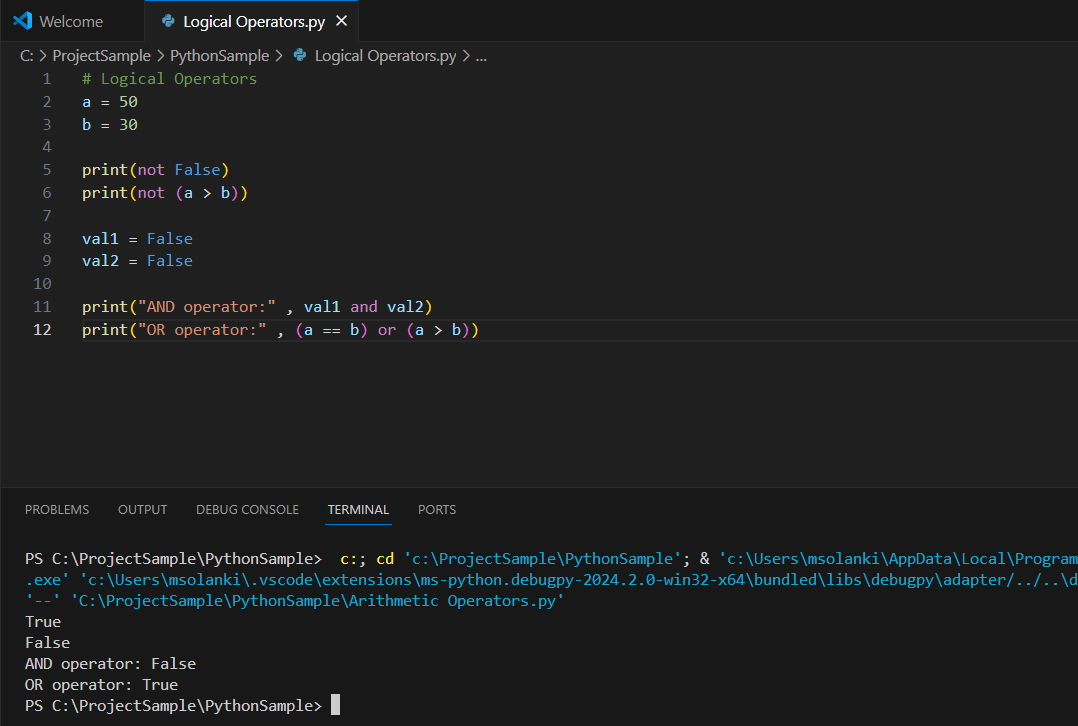


Figure 15 - Logical operators.

## Type conversion