



# INDIAN SCHOOL AL WADI AL KABIR

<b>Class: VIII</b>	<b>Department: Computer Science</b>	<b>Year: 2025-2026</b>
Worksheet with solutions	Subject: Computer Science Topic: Basics of Python	

## I. Choose the correct option

- a) Python was created by Guido van Rossum, in the year \_\_\_\_\_  
i) 1981 ii) 1986 iii) **1991** iv) 1996
- b) What would be the output of `print(10+16)`?  
i) **26** ii) 32 iii) 10+16 iv) (10+16)
- c) How would you print the text string "Hello!" ?  
i) output 'Hello!' ii) **print ('Hello!')** iii) `print(Hello!)` iv) output (Hello!)
- d) In Python, the users cannot \_\_\_\_\_  
i) change the data type of a variable ii) assign the same value to the multiple variables in a single line iii) assign values to multiple variables in a single line iv) **create multiple variable with the same name**
- e) Which of the following is a keyword in Python?  
i) else ii) return iii) import iv) **All of these**

## II. Fill in the blanks

- a) A \_\_\_\_\_ is a named location which is used to store data in the memory.  
Ans: variable
- b) The `print()` function is used to display \_\_\_\_\_.  
Ans: output
- c) Single-line comments are created simply by starting with the \_\_\_\_\_ character.  
Ans: Hash symbol
- d) \_\_\_\_\_ is a reserved word in python, it cannot be used as variable name.  
Ans: Keyword
- e) \_\_\_\_\_ sign is used as assignment operator.  
Ans: Equal to
- f) \_\_\_\_\_ are special symbols in Python that can carry out different types of computations.  
Ans: operators
- g) Python is a \_\_\_\_\_, easy to read programming language used for various applications like web development and data analysis.  
Ans: high-level
- h) \_\_\_\_\_ error raised when there is an incorrect indentation in a program.  
Ans: indentation

## III) Write True or False

1. Python is a high-level programming language.

**Answer: True**

2. Python was developed by Guido van Rossum.  
**Answer:** True
3. Python programs must be compiled before execution.  
**Answer:** False
4. Python is a case-sensitive language.  
**Answer:** True
5. `.py` is the file extension for Python programs.  
**Answer:** True
6. `print()` is used to take input from the user.  
**Answer:** False
7. Python supports object-oriented programming.  
**Answer:** True
8. `#` is used for comments in Python.  
**Answer:** True
9. Python can run on Windows, macOS, and Linux.  
**Answer:** True
10. `//` is used for floor division in Python.  
**Answer:** True

IV) Match the following

**Column A (Operator)**

1. +
2. -
3. \*
4. /
5. %
6. ==
7. !=
8. \*\*

**Column B (Meaning)**

- a. Multiplication
- b. Division
- c. Addition
- d. Subtraction
- e. Remainder
- f. Equal to
- g. Not equal to
- h. Exponentiation

**Answer Key**

- 1 → c
- 2 → d
- 3 → a
- 4 → b
- 5 → e
- 6 → f
- 7 → g
- 8 → h

V) Identify the Operator in the Given Expression.

1. `x ** 2`  
**Answer:** Exponentiation operator
2. `a == b`  
**Answer:** Equal to operator
3. `x != y`  
**Answer:** Not equal to operator

**Column A (Operator)****Column B (Meaning)**

4.  $m > n$

**Answer:** Greater than operator

5.  $p \leq q$

**Answer:** Less than or equal to operator