

Answers of textbook exercises

Fill in the Blanks

1. Current major version of python is **3**.
2. Python is created by **Guido Rossum**
3. **IDLE** is an editor for Python.
4. **Indentation** is used for identifying blocks of code in Python.
5. Command **python -V** is used to find the version of Python installed.

State True or False

1. Python is case sensitive. -**True**
2. Python supports only Object Oriented programming. -**False**
3. Single quotes (') and double quotes (") are valid ways to delimit a string value in Python. -**True**
4. Python is a high level language. -**True**
5. An integer value cannot be negative. -**False**

Match the Following

1. Interpreter	Execute program
2. x=10	Statement
3. **	Exponent
4. Variable	Value

Multiple choice questions

1. In Python // operator is used for:
 - a. Multiplication
 - b. Division
 - c. Floor division**
 - d. Subtraction
2. Python is:
 - a. Interpreted**
 - b. Compiled
 - c. Both interpreted and compiled
 - d. None of the above
3. Python supports:
 - a. Procedural programming
 - b. Object oriented programming
 - c. Both of the above**
 - d. None of the above
4. Command to find version of Python is:
 - a. python -V**
 - b. version - Python
 - c. which - version
 - d. Python version
5. Python is:
 - a. Interactive
 - b. Highly readable
 - c. Easy to learn
 - d. All of the above**

Answer in one word or one sentence

- 1. What is the operator used for changing the value of a variable?**

Assignment operator (=).

- 2. What is a logical instruction that the Python interpreter can read and execute called?**

Statement.

- 3. What is used as a placeholder for the string values that you want to inject into a formatted string?**

%s

- 4. What is the use of the ** operator in Python?**

To find the exponent.

- 5. Which module of Python gives methods related to Operating Systems?**

Python OS module.

Answer the following

- 1. What are the features of Python?**

It is easy to learn, readable and portable. Python has a standard library which is very portable and cross-platform compatible and supports interactive Mode. Python provides interface to all major commercial databases.

- 2. How will you print your name in Python?**

To Print your name in Python, you can use the print statement along with your name enclosed in quotation marks.

For example: `print("Your Name")`

3. Python is said to be portable. Why?

Python can run on a wide variety of hardware platforms and has the same interface on all platforms. If a Python script is written on one system, such as Windows, it can be executed on another, like Mac, without substantial modifications.

4. What are the rules for naming variables in Python?

- Must start with a letter or underscore (_).
- May consist of letters, numbers, and underscores.
- Variable names are Case Sensitive.

5. Name five reserved keywords in Python.

- if
- while
- continue
- break
- for