

# Worksheet

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Name: .....

Roll No: ..... Class: ..... Section: .....

Date: .....

## INTRODUCTION TO PYTHON

### Unit-4

#### A. Fill in the blanks.

1. Instructions written in a source code that are executed by a Python interpreter are called .....
2. .... are the user defined names of variables, list, dictionary, tuples, classes etc.
3. .... are words that have special meaning and are reserved by Python for special purposes and are not allowed to be used as identifiers.
4. .... is a name given to a memory location to hold a specific value.
5. .... specify the kind of a value a variable can store.
6. Writing one if statement within another if is called ..... if statement.

#### B. State whether these statements are true or false.

1. Null is not a data type. ....
2. Python is a high-level language. ....
3. NOT is not a relational operator. ....
4. Conditional programming is done using if statement. ....
5. In Python the process of repeating a set of instructions based on a condition is called loop. ....
6. In Python, lists are not mutable. ....

#### C. Assertion and reasoning based question.

**Assertion (A):** Python is the most popular language when it comes to developing AI models.

**Reason (R):** Python has pre-built libraries and web frameworks like Pyramid, Django, and Flask, which are used for backend web development projects. Some standard libraries also support content design, database connectivity and many Internet protocols like HTTP, SMTP, XML etc.

1. Both A and R are correct and R is the correct explanation of A.
2. Both A and R are correct but R is NOT the correct explanation of A.
3. A is correct but R is not correct.
4. A is not correct but R is correct.

Select the correct option.