# Tokens in Python Data Science and A.I. Lecture Series

Bindeshwar Singh Kushwaha

PostNetwork Academy

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• Keywords are reserved words in Python.

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- Identifiers are names given to variables, functions, and classes.

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- Identifiers are names given to variables, functions, and classes.
- Literals are fixed values such as numbers, strings, and boolean values.
- Operators are symbols used for mathematical and logical operations.
- Punctuators are special symbols that help structure the code.

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- if, else, while, for, def, return
- import, class, try, except, break, continue

Identifiers are the names used to represent variables, functions, classes, and other objects in Python.

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- Identifiers are case-sensitive, meaning name and Name are different.
- Python keywords cannot be used as identifiers.

A literal is a constant value assigned to a variable or used directly in the code.

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- String literals, which are enclosed in quotes.
- Boolean literals, which are either True or False.

Operators are symbols used to perform operations on variables and values.

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- Relational operators, which compare values and return a boolean result.
- Logical operators, which combine multiple boolean expressions.

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Punctuators are special symbols used to structure Python code.

• Parentheses, which are used in function calls.

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- Brackets, which are used for lists and indexing.
- Braces, which are used in dictionaries.
- Comma, colon, and semicolon, which help in separating values and statements.

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# Thank You!

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