



Operators



Bachelor of Information Systems Institut Teknologi Del



Operators

Learning Objective(s)

This material should address the following question(s).

- What are operators and their importance?
- What are the types of operators?

Discussion Point

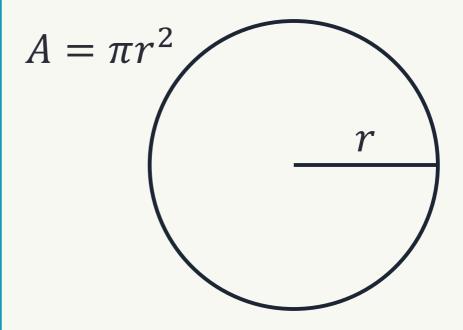
Operators:

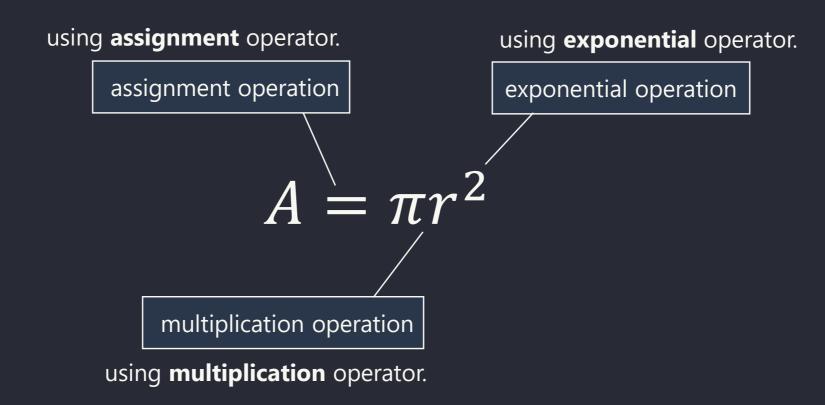
The Core Concepts.



Problem

- In the circle area calculation, there are three operations, using three distinct operators on the three values.
- The three operators are:
 - × multiplication;
 - ^ exponential, and
 - = assignment.



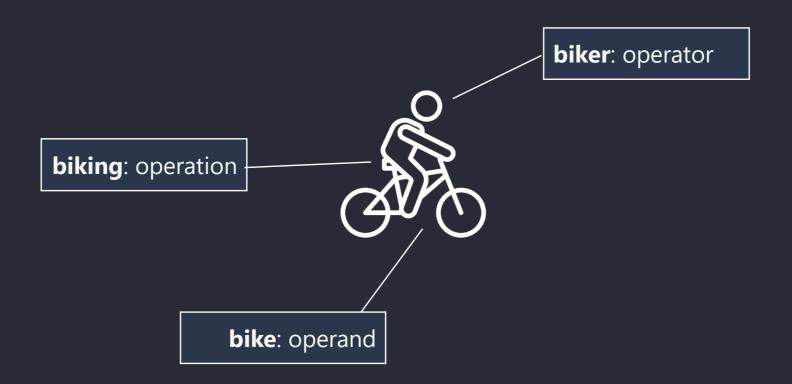




What is an **operator**?

Definition

An **operator** operates one or more operands (values), including values hold by variables or constants.



Discussion Point

Types of Operator.

Types of Operator

- Nature of the operation:
 - Arithmetic operators.
 - Assignment operator.
 - **Logical** operators.
 - **Relational** operators.
 - **Concatenation** operator.
 - Increment/decrement operators.
 - **Bitwise** operators.

- The number of operand:
 - Unary → one operand.
 - **Binary** → two operands.
 - **Ternary** → three operands.

Final **Thoughts.**

Conclusion



- 1. An operator is used to operate value(s).
- 2. Operators are clustered based on:
 - The nature of the operation.
 - Assignment, arithmetic, logical, relational, and concatenation.
 - Increment/decrement and bitwise are not supported by Flowgorithm.
 - The number of operand they operate.
 - Unary, binary, and ternary.

References

Wassberg, J. (2020). Computer Programming for Absolute Beginners. Packt.

REF

Operators – Flowgorithm
http://www.flowgorithm.org/documentation/operators.html



– E O F –



Course Lecturer

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(D) @dasar-pemrograman



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