



Arithmetic Operators



Bachelor of Information Systems Institut Teknologi Del



Arithmetic Operators

Learning Objective(s)

This material should address the following question(s).

- What are arithmetic operators?
- How to use the arithmetic operators?

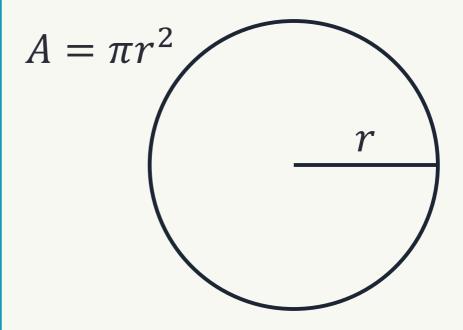
Discussion Points

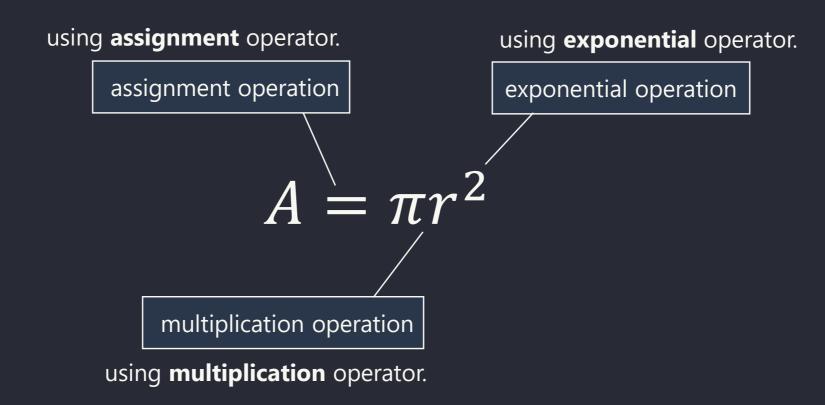
Arithmetic Operators: The Core Concepts.



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.







Both multiplication and exponential are arithmetic operators.

What are **arithmetic** operators?

Definition

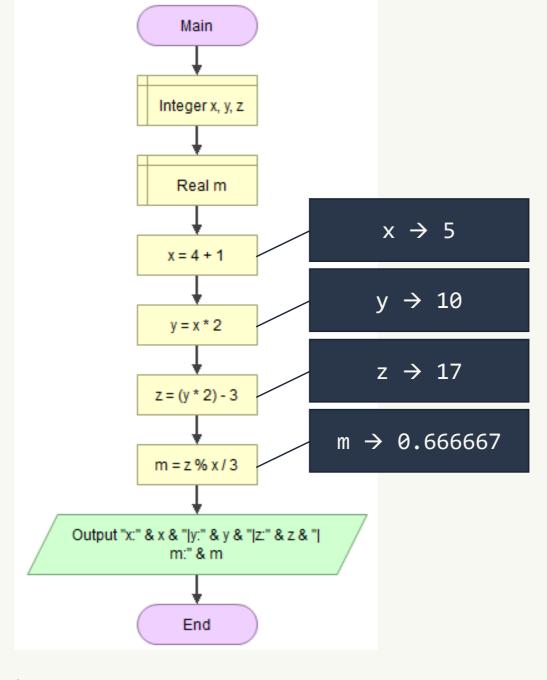


Arithmetic operators are operators used to operate numerical value (number).

These operators produce a numerical value.

Arithmetic Operators

No	Operator	C-Family	BASIC Family
1.	addition	+	+
2.	subtraction	-	-
3.	multiplication	*	*
4.	division	/	/
5.	modulo	%	mod
6.	exponential	not applicable	^
7.	negation	-	_



Hands On

• It is possible to have multiple operations in a one expression.



In the case of <u>multiple</u> <u>operations</u> in a single expression. When the involved operators are in different types, then which operator <u>precedes</u> first?

We will discuss this later.

Final **Thoughts.**

Conclusion



- 1. Arithmetic operators operate numerical values.
- 2. It is possible to have multiple operations in one expression.
 - Operator precedence?

References

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

REF

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



– E O F –



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(D) @dasar-pemrograman



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