

Operator Review

Exercises

Operators for Built-in Types

- Give an example of an operator for a built-in type
- How is your operator called?

Operators for Standard Types

- Give an example of an operator for a type from the C++ Standard Library
- How is your operator called?

Unary and Binary Operators

- What is a unary operator?
- What is a binary operator?
- Give an example of an operator that can be either unary or binary

Which of the following statements are true?

- Operators are "overloaded" when they have the same name and take the same arguments
- All operators can take either one or two arguments
- Operators can be member functions or non-member functions
- Operators which act on classes do not need to have the same syntax as operators which act on built-in types

Which of the following statements are true?

- When we write our own classes, we can add C++ operators to them
- Operators that we define ourselves can only use the same symbols as the built-in types
- However, we need not follow the same syntax rules
- When writing an operator, we should be creative and not restrict ourselves to the semantics of built-in operators