

# Overview of Assignment Operator

## Exercises

- Explain what an assignment operator is

- What is the prototype of the assignment operator?
- How is it invoked?

- How is a statement such as

$x = y = z;$

- processed?

- Why does the assignment operator return the modified value?
- Why is this value not returned as a const reference?

- Explain why it is not normally necessary to implement an assignment operator when writing a class
- In what circumstances is it necessary?

- What factors should be considered when implementing an assignment operator?