

Map Insertion Exercises

Operator []

- What is meant "insert or assign" functionality, when inserting an element into an `std::map` object?

Operator []

- The [] operator can be used to insert a new element into an `std::map`
- Give some disadvantages of this approach
- Write a program which uses operator [] to insert a new element into an `std::map`
- Check your program works both for inserting a new element and assigning an existing element

insert()

- The insert member function can be used to insert a new element into an `std::map`
- Give some disadvantages of this approach
- Write a program which uses the insert member function to insert a new element into an `std::map`
- Check your program works both for inserting a new element and assigning an existing element

"Insert or assign" in C++17

- The `insert_or_assign` member function can be used to insert a new element into an `std::map`
- Give some advantages of this approach

insert_or_assign()

- Briefly describe the interface of `std::map`'s `insert_or_assign` member function
- Write a program which uses the `insert_or_assign` member function to insert a new element into an `std::map`
- Check your program works both for inserting a new element and assigning an existing element