

Set Exercises

- What are the two main characteristics of a C++ set?
- Which data structure is used to implement it?

- Which member function is called to add elements to a C++ set?
- What happens if the element we want to add is already present in the set? How can we find out whether this has happened?

- What type of algorithms from the Standard Library can be used with a set?
- Why can we not use other algorithms?

- Write a program that creates a set containing the elements 6, 7, 4, 5 and 3
- Add an element with value 3 to the set. Does this succeed? If not, why not?
- Erase the element with value 3 and try again. Does this succeed? If not, why not?

- Give an example of a programming problem where a set would be useful