

## Lab 4.5.1 Text manipulation: eliminate duplicates

### Objectives

Familiarize the student with:

- the basics of string and text manipulation.

### Scenario

When editing text, it is more than common to revisit and edit some previously written sentences. When doing so, people tend to duplicate words.

Write a program that will read a line of text and remove all the duplicate words in that line of text.

However, two identical words separated by punctuation should not be considered duplicate.

```
#include <string>
#include <iostream>

int main()
{
    std::string sentence;
    std::getline(std::cin, sentence);

    // manipulate the sentence here

    std::cout << sentence << "\n";
}
```

### Example input

This sentence has no duplicate words

### Example output

This sentence has no duplicate words

### Example input

This sentence has has only unique words

### Example output

This sentence has only unique words

### Example input

You should, should you be interested, look for for more information online

### Example output

You should, should you be interested, look for more information online