COMP110: Principles of Computing

Title of lecture

Learning outcomes

By the end of this session you will

- Understand a thing
- Understand another thing
- Be convinced that LaTeX makes better-looking slides than PowerPoint

Title of slide

- Point number 1
- Point number 2
  - "pause" is optional at the end of items
  - Or it can be included
  - Like this

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Part heading

Pseudocode

```
procedure EUCLID(a, b)                    ▷ The g.c.d. of a and b
    r ← a mod b
    while r ≠ 0 do                        ▷ We have the answer if r is 0
        a ← b
        b ← r
        r ← a mod b
    end while
    return b                              ▷ The gcd is b
end procedure
```

Code listing: Python

```python
def factorial(n):
    if type(n) is not int or n < 0:
        raise ValueError("n must be a nonnegative integer")
    else if n <= 1:
        return 1
    else:
        # Recursive call
        return n * factorial(n-1)
```

Code listing: C++

```cpp
// My first C++ program

#include <iostream>

int main(int argc, char** argv)
{
    std::cout << "Hello, world!" << std::endl;
    return 0;
}
```

You can also refer to code in text, as in `this->example()`.