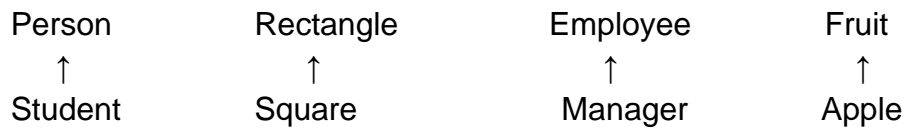


A. Overview

1. What is inheritance?

- a) English: receive something from parents or grandparents
- b) a family tree: a parent-child relation
- c) a class relationship (IS-A)
 - a square is a rectangle, a student is a person, a manager is an employee, an apple is a fruit
- d) an hierarchy of classes: base class, derived class



2. Why inheritance?

- a) reuse of code
- b) an abstraction of common features (data members, member functions)

3. How to program inheritance in C++?

B. Video Lessons

Part 1: Class Declarations and the Client Program

https://ict.senecacollege.ca/~peter.liu/onlineS2020/Inheritance_Part1.mp4

Part 2: Class Implementations

https://ict.senecacollege.ca/~peter.liu/onlineS2020/Inheritance_Part2.mp4

C. Code Examples

shape.cpp, shape2.cpp

D. Course Notes

<https://ict.senecacollege.ca/~btp200/pages/content/inher.html#inh>

<https://ict.senecacollege.ca/~oop244/pages/content/inher.html#inh>