CSCP 1024 Object Oriented Paradigm

Lab Manual (Lab 7)

Manual Contents:

- Operator Overloading + Friend Functions

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TASK 1:

You have to overload further operators in the Rational class made in the previous lab:

1. Input fractions using the operator >>
2. Increment fractions using post-increment and pre-increment operators ++
3. Decrement fractions using post-decrement and pre-decrement operators - -
4. Display fractions using the operator <<

TASK 2:

You have base class Person which has attributes:
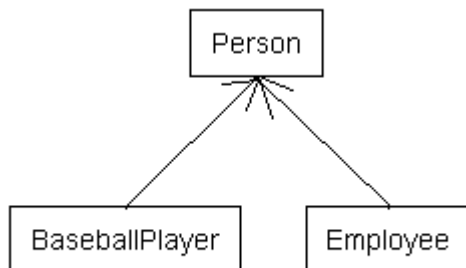
- name: string

- age : int

as its **private** member variables. Write parameterized constructor to initialize the values.

You have an Employee class which is publicly inherited from Person class. It has attributes:

- salary : double

- employeeId : int

You have another class BaseballPlayer publically inherited from Person class Baseball Player has attributes:

- battingAverage: double

- totalRuns: int

Make Baseball class object in main and initialize values of name, age, battingAverage and totalRuns using base initialization list.

Make Employee class object in main and initialize values of name, age, employeeId and salary using base initialization list.