

C++ Programming Assignment (#03)

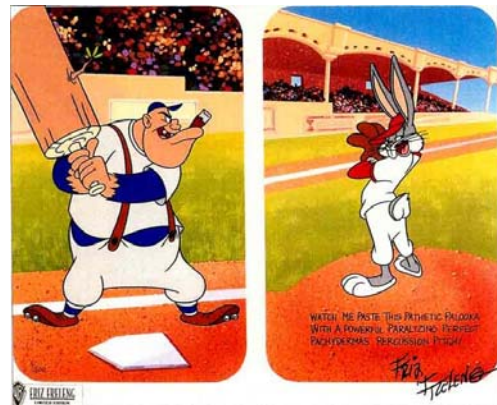
Date: Mar. 24, 2016

Instructor: Yoo, Younghwan

Due date: Mar. 30, 2016

Programming Projects

1. Write a program to compute the next year salary of baseball players. A player is either a pitcher or a batter. The ways to compute the salary are different between a pitcher and a batter.



For a pitcher,

$$\text{annualSalary} = \$1,000 * \text{numWin} + \$20,000 * (1/\text{ERA}) ,$$

where numWin is the number of wins and ERA is the earned run average.

For a batter,

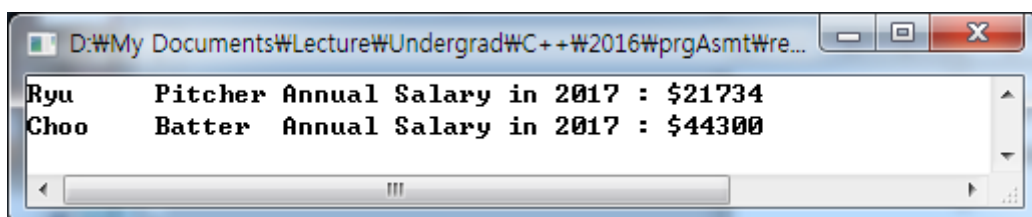
$$\text{annualSalary} = \$10,000 * \text{batAvg} + \$100 * \text{RBI} ,$$

where batAvg is the batting average and RBI is the run batted in.

Your program does not have to receive players' name from the user. Instead, your main() has to have at least the following two function calls:

```
player("Ryu", 15, 2.97); //Pitcher Ryu, Wins: 15, ERA: 2.97
player("Choo", 3.44, 99); //Batter Choo, AVG: 3.44, RBI: 99
```

Complete the entire program.



2. The following is the usage of the function `big()`:

```
int main()
{
    int x = big(3, 5);
    // The bigger value 5 is less than the maximum limit 100,
    // so 5 is returned

    int y = big(300, 60);
    // The bigger value 300 is greater than the maximum limit 100,
    // so 100 is returned

    int z = big(30, 60, 50);
    // The bigger value 60 is less than the maximum limit 50,
    // so 50 is returned

    cout << x << ' ' << ' ' << z << endl;
}
```

Complete the above program by defining just one `big()` function.

