

Paycheck Calculator 2.0

Create a program that calculates a user's weekly gross and take-home pay by defining a class *Paycheck*.

Note: **Bold** words are output while non-bold words are input in the following console sample.

Console Sample

```
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Hours Worked: 35.4
Hourly Pay Rate: 14.5
Tax Rate in percent (0-100): 18.8

Gross Pay: 513.3
Tax Rate: 18.8%
Tax Amount: 96.5004
Take Home Pay: 416.8
```

Specifications

- The formula for calculating gross pay is:
`gross pay = hours worked * hourly rate`
- The formula for calculating tax amount is:
`tax amount = gross pay * (tax rate in percent / 100.0)`
- The formula for calculating take home pay is:
`take home pay = gross pay - tax amount`
- You have to define a class *Paycheck* with three public data members corresponding to hours worked, hourly rate, and tax rate.
- The program should accept decimal entries like 35.5 and 14.25.
- Assume the user will always enter a valid number for each numeric input.