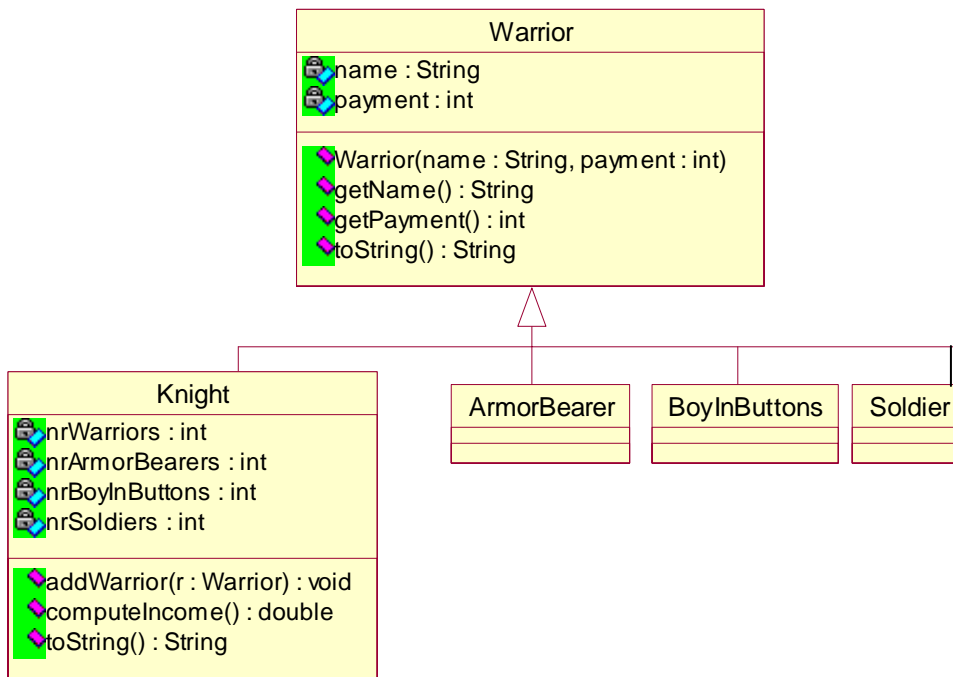


Test

King Arthur has in his army the following kinds of warriors: knights, armor-bearers, boys in buttons and regular soldiers. Furthermore, each knight has his own armor-bearers, boys in buttons and regular soldiers, but in the war time they are paid by the king, also. Each warrior has a fixed payment, and in the case of a knight, has to be paid his payment and his people’s payment. If an armor-bearer, boy in buttons or soldier is in the service of a knight, this knight will receive besides his pay, a percent of the pay type of his people, as follows: armor-bearer 20%, boy in buttons 10% and soldier 8%.

Using at least the following hierarchy, write a class Test which, for few warriors by different kinds (maximum 10), chosen such that they are from all the types and each type will be represented by more than one warrior, display each warrior type, name and his income.



In the case of a knight, should also display the number of his armor-bearers, boys in buttons and soldiers. In addition, the warriors will be ordered like this: first of all, you should list the knights in descendent order after the income paid by king, than will follow rest of warriors in a descendent order after the payment.

The values of payments should be read from the file named “payment.txt” with the following content:

```

Knight 1000$
Armor-bearer 800$
Boy-in-buttons 600$
Soldier 400$
    
```