Virtual Workers Unite!

For this assignment, create an abstract base class `Worker`. Every worker has a `name` and an hourly `rate` (along with the appropriate accessor methods). The `Worker` class should have a pure virtual `payInfo(int hours)` function that returns the worker's name and computed salary as a formatted `string`.

Create two derived concrete classes `HourlyWorker` and `SalariedWorker`.

- An **hourly worker** gets paid the hourly wage for the actual number of hours worked for the first **40** hours and time and a half for any hours over that.

- The **salaried** (aka "exempt") worker gets paid the hourly wage for **40** hours, no matter what the actual number of hours is.

The test program first creates four `Worker` pointers, and then points each to a different instance of a **derived** class. It then calls the `payInfo()` function for each worker, using different hours (less than and more than 40 hours).

Here's some sample output:

```
Sam (Hourly, $ 20.00) worked 20 hours. Pay: $ 400.00
Tom (Salaried, $ 30.00) worked 20 hours. Pay: $ 1200.00
```

Go ahead and implement that. Then do `make test`. If you haven't made any mistakes, `make submit` and you're done with this assignment.