

# Inheritance Challenge

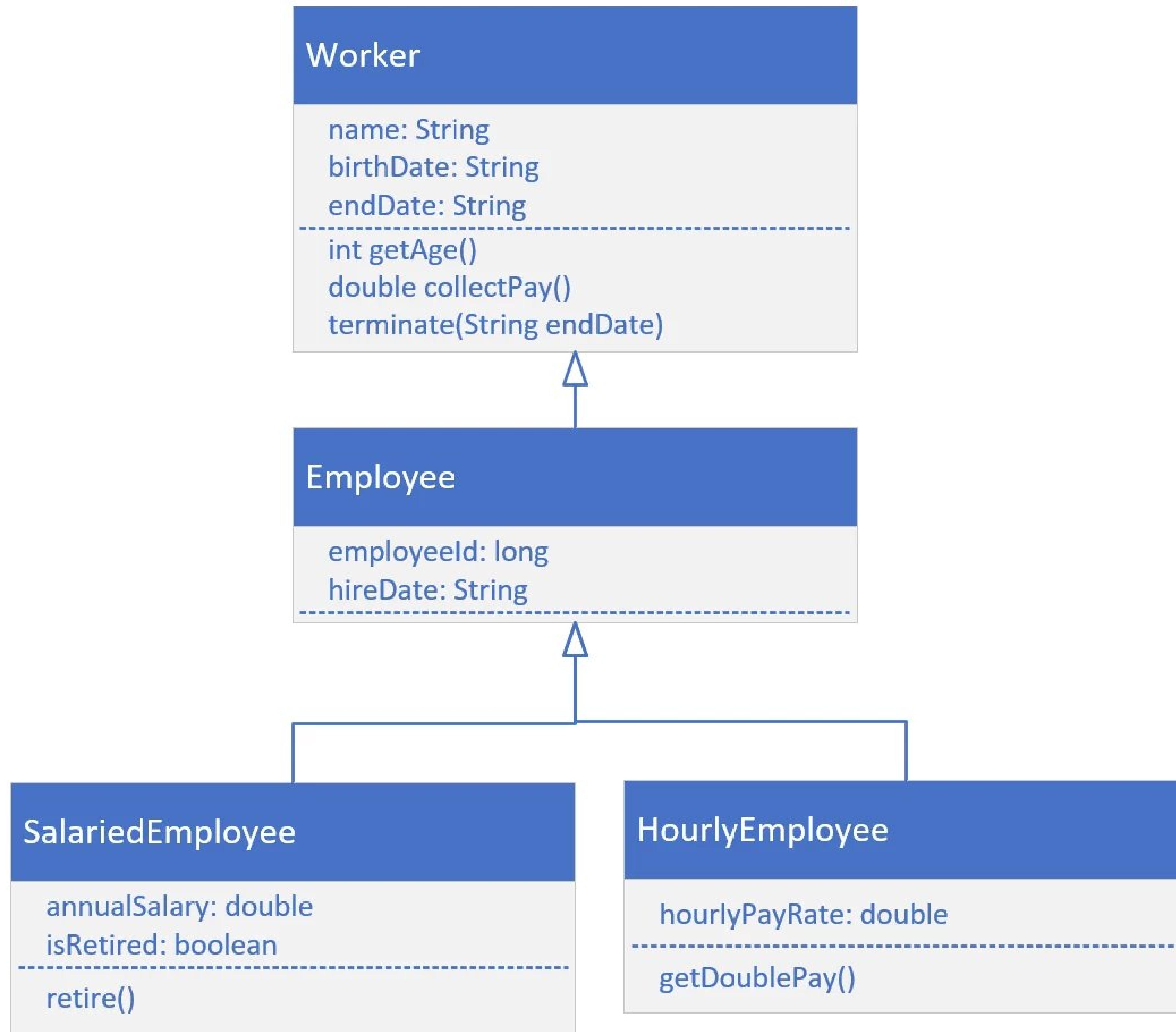
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It's time now for a challenge, to solidify your understanding of what inheritance is.

For this challenge, I'm going to show you a class diagram like we worked with in previous videos.

# Inheritance Challenge

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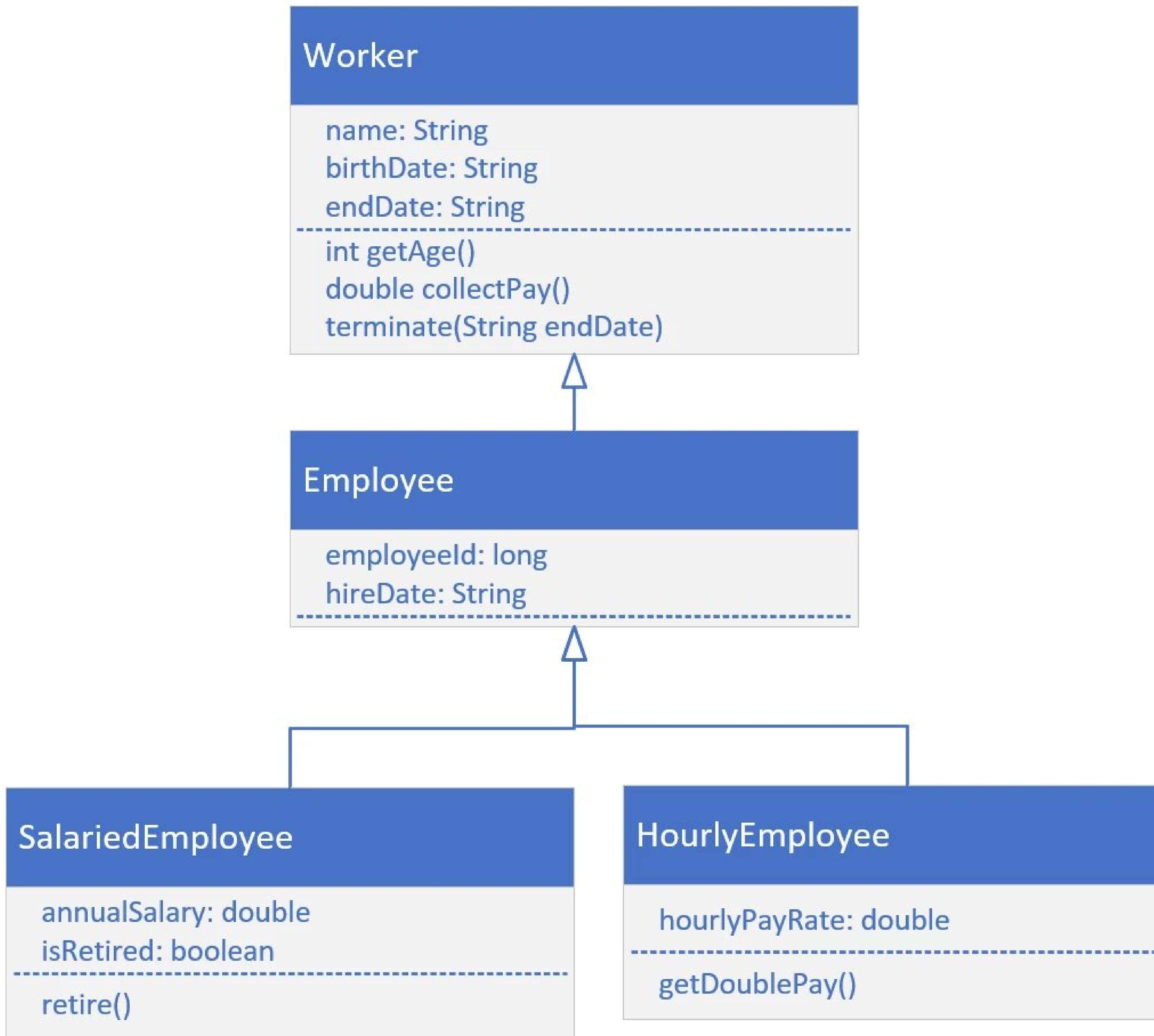
Your challenge is to create the **Worker** class, the **Employee** class, and either the **SalariedEmployee** or the **HourlyEmployee** class.

For each class, create the attributes and methods shown on this diagram.

Create a main method that will create either a **SalariedEmployee** or **HourlyEmployee**, and call the methods, `getAge`, `collectPay`, and the method shown for the specific type of class you decide to implement.

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So, if you implement `SalariedEmployee`, then execute `retire()`.

If you implement `HourlyEmployee`, then execute `getDoublePay()`.

# Worker class

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## Worker

```
name: String  
birthDate: String  
endDate: String  
-----  
int getAge()  
double collectPay()  
terminate(String endDate)
```

# the Employee Class

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For this class, I have specific Employee attributes, employeeId, and hireDate.

For simplicity's sake, I haven't included any methods specific to an Employee.

