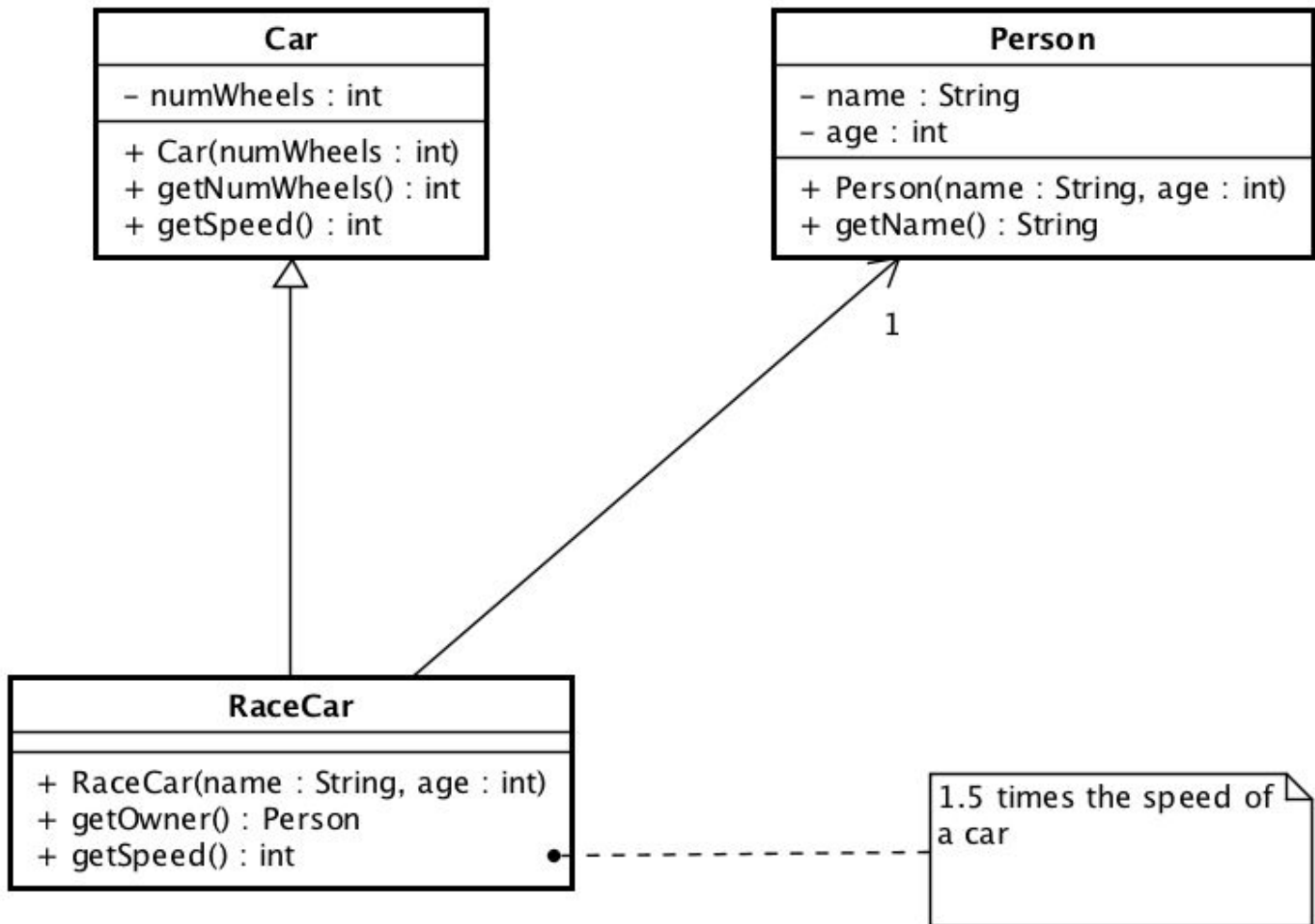


Quiz 3

Name: _____

1. Given the following class diagram:



You are given the Car and Person classes. Implement the RaceCar class.

```
public class RaceCar extends Car {  
    private Person owner;  
  
    public RaceCar(String name, int age) {  
        super(4);  
        owner = new Person(name, age);  
    }  
  
    public Person getOwner() {  
        return owner;  
    }  
  
    @Override  
    public int getSpeed() {  
        return (int)(super.getSpeed() * 1.5);  
    }  
}
```

2. Given the following classes:

```
public class Parent {  
  
    protected void method1(int x, int y){  
        // some code  
    }  
  
}
```

```
public class Child extends Parent {  
  
    // insert the method below this line  
  
}
```

Which of the following methods in a child class of Parent overrides method1 successfully?
Put a tick for the correct answer(s). Note: There may be more than 1 answer.

✓	<pre>public void method1(int a, int b){ // some code }</pre>
	<pre>public void method1(long x, int y){ // some code }</pre>
	<pre>public void method1(int x){ // some code }</pre>
✓	<pre>protected void method1(int x, int y){ // some code }</pre>
	<pre>public boolean method1(int x, int y){ return true; }</pre>