PHP Question 2.4

Provide a Horse, Bird, and Pegasus class given the following rules:

- A Horse gallops.
- A Bird flies.
- A Pegasus flies in *exactly* the same way as a Bird.
- A Pegasus gallops in *exactly* the same way as a Horse.

Note: Since galloping and flying are complicated operations, they are assumed to require several lines of non-trivial code. The details of these algorithms are irrelevant to this question. You may represent them in your code using comments. For example:

```
function fly() {
  // flying code here.
}
```

PHP Answer 2.4

(Provide your answer below. Use as much space as necessary.)

```
interface IAnimal {
}

interface IBird extends IAnimal {
}

interface IHorse extends IAnimal {
}

interface IPegasus extends IBird,IHorse{
}

class Bird implements IBird {
  public function fly() {
    echo 'Look who\'s flying now! ' . __CLASS__;
  }
}

class Horse implements IHorse{
  public function gallop() {
    echo 'Look who\'s galloping now! ' . __CLASS__;
  }
}
```

```php
class Pegasus implements IPegasus {
    public function fly() {
        echo 'Look who\'s flying now! ' . __CLASS__;
    }
    public function gallop() {
        echo 'Look who\'s galloping now! ' . __CLASS__;
    }
}

$pegasus = new Pegasus();
$bird = new Bird();
$horse = new Horse();

echo $pegasus->fly() . "\n";
echo $pegasus->gallop() . "\n";
echo $bird->fly() . "\n";
echo $horse->gallop() . "\n";
```