CompSci 94
Arrays, Loops with Arrays
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Arrays

• What is an array?

• Why create an array?

• Can an object be in more than one array?
How and Where does one create an array?
What is the order the birds do something here?

```java
new Flyer[] { this.phoenix, this.chicken, this.flamingo, this.penguin, this.ostrich }
```

```java
for each Flyer oneBird in this.lotsOfBirds
    oneBird spreadWings add detail
    oneBird foldWings add detail
loop

// Move penguin between phoenix and chicken
this.penguin move RIGHT, 2.3 add detail
for each Flyer oneBird in this.lotsOfBirds
    oneBird spreadWings add detail
    oneBird foldWings add detail
loop
```
What does this code do?

- The birds turn red one at a time. Then at the same time they all turn blue.
What does this code do?

- Phoenix says greetings one at a time
- Then Penguin says the greetings all at once
What does this code do?

Each bird in the array `lotsOfBirds`, one at a time, says the phrases in the array `greetings`, one at a time.
What does this error mean?
BE CAREFUL!

• When naming loop variable

• Don’t CUT and PASTE ARRAY LOOP code
Announcements

• RQ13 and Videos for next time
Class Today

- Iterating through Arrays