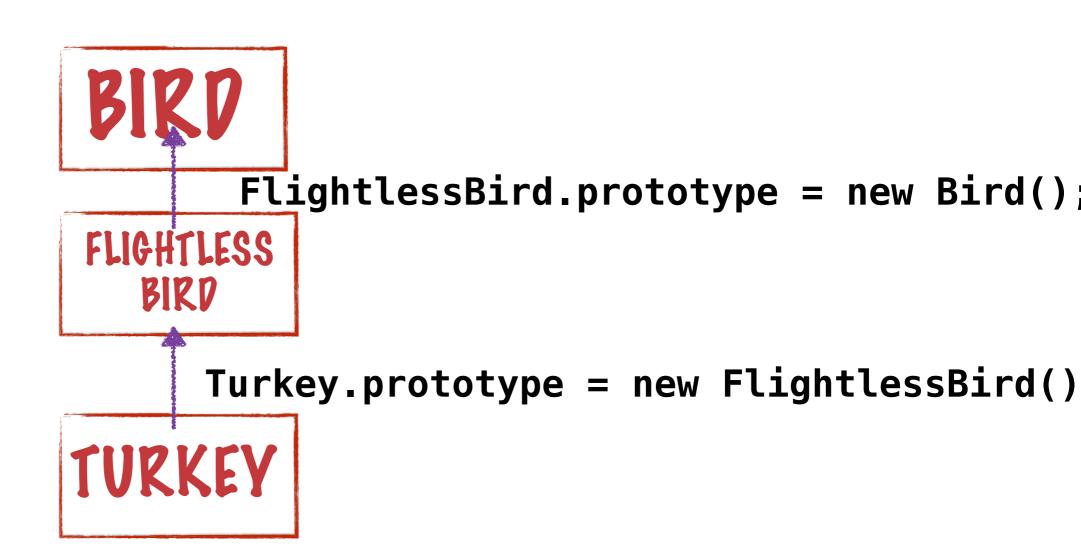
### EXAMPLE 48: CREATING AN INHERITANCE HIERARCHY USING CHAINED PROTOTYPES

#### AN INHERITANCE HIERARCHY USING CHAINED PROTOTYPES

#### 3 OBJECT CONSTRUCTO



#### 3 OBJECT CONSTRUCTO

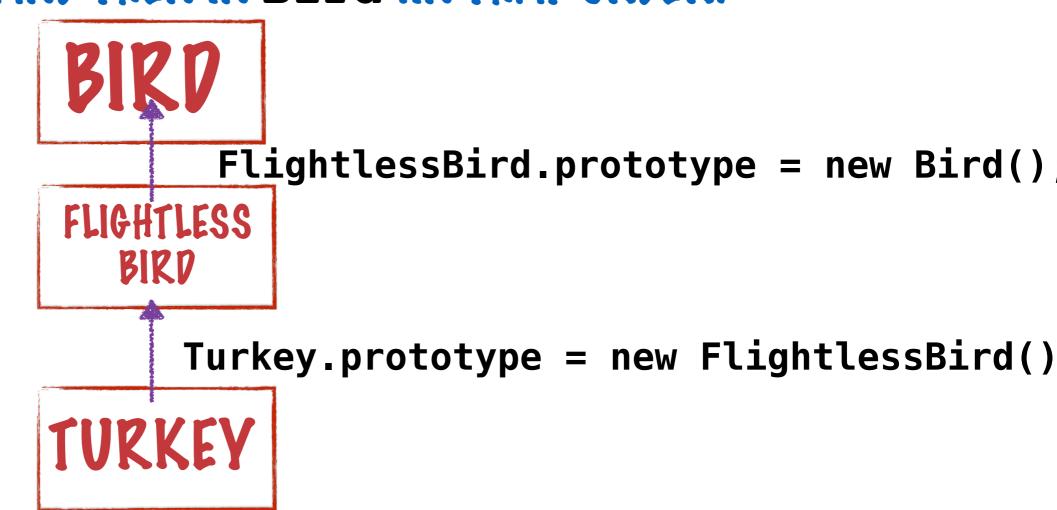
```
function Bird() {
    this.sayHello = function() {
        console.log("I am a bird, of type = " +
        this.name);
    }
    this.fly = function() {
        console.log("I am flying!!");
    }
}

function FlightlessBird() {
    this.fly = function() {
        console.log("I can't fly, even though
        }
    }

Turkey.prototype = new FlightlessBird()
```

this.name = "Turkey";

# ANY PROPERTY CALLED ON Turkey WILL FIRST LOOK INSIDE Turkey, THEN INSIDE FlightlessBird, AND THEN IN Bird (IN THAT ORDER)

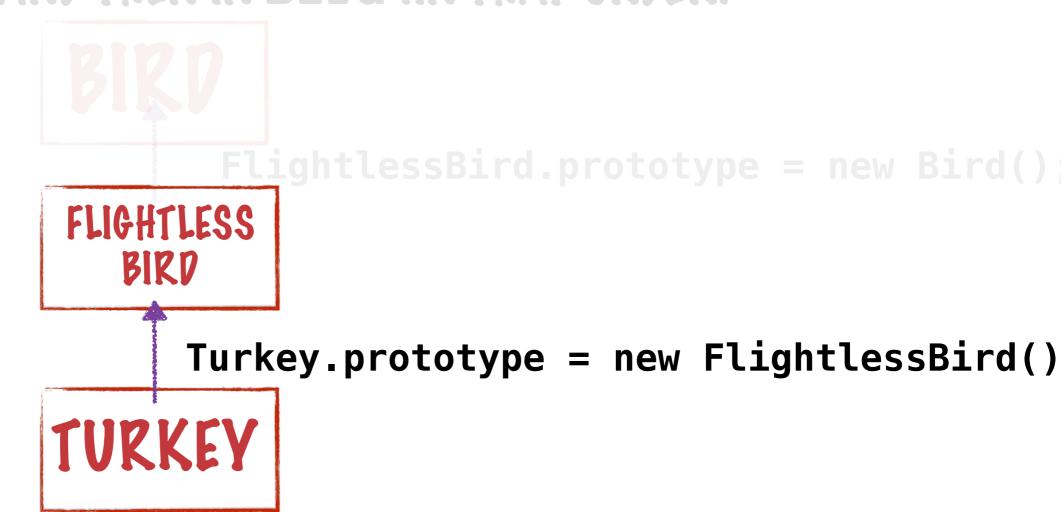


### ANY PROPERTY CALLED ON Turkey WILL FIRST LOOK INSIDE Turkey, THEN INSIDE FlightlessBird,

AND THEN IN Bird (IN THAT ORDER)

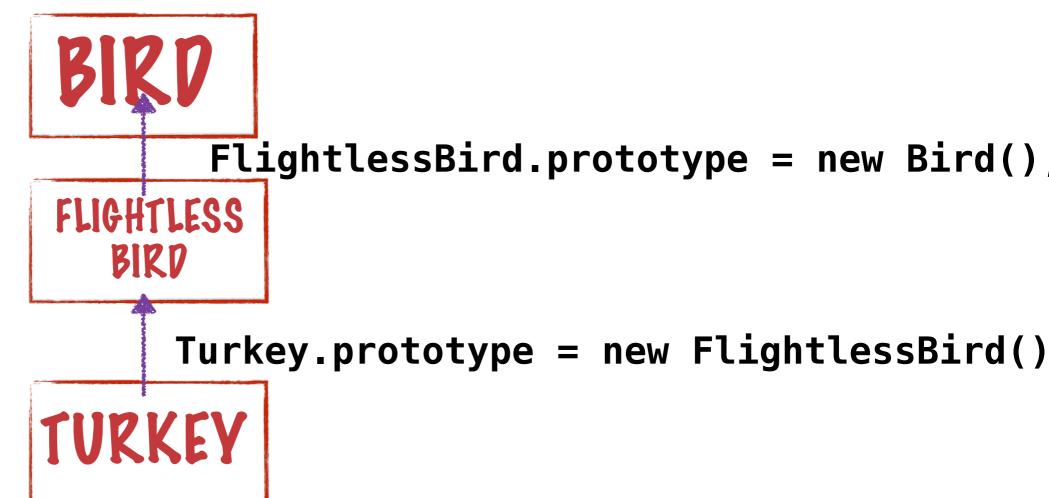


# ANY PROPERTY CALLED ON Turkey WILL FIRST LOOK INSIDE Turkey, THEN INSIDE FlightlessBird, AND THEN IN Bird (IN THAT ORDER)

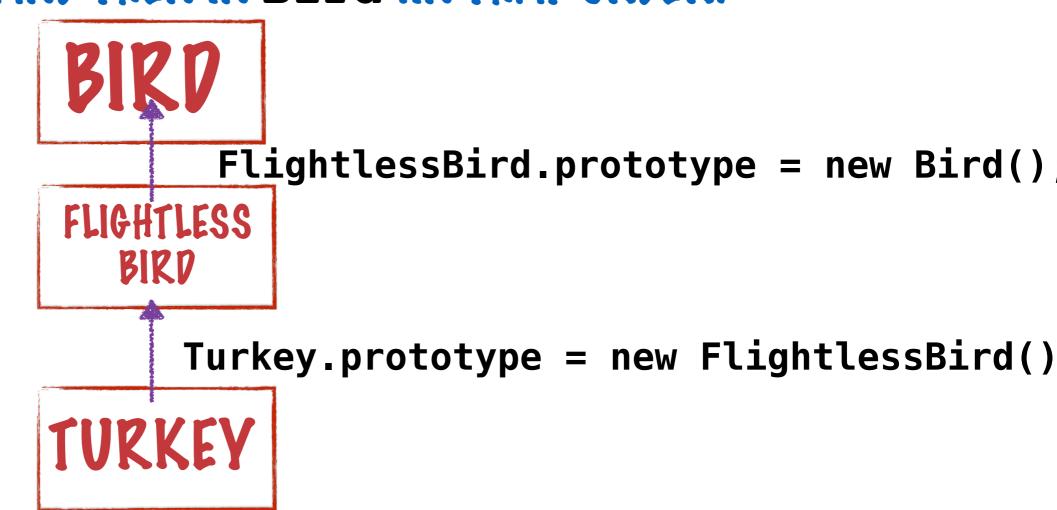


### ANY PROPERTY CALLED ON Turkey WILL FIRST LOOK INSIDE Turkey, THEN INSIDE FlightlessBird,

#### AND THEN IN Bird (IN THAT ORDER)



# ANY PROPERTY CALLED ON Turkey WILL FIRST LOOK INSIDE Turkey, THEN INSIDE FlightlessBird, AND THEN IN Bird (IN THAT ORDER)



3 OBJECT CONSTRUCTO



```
this.sayHello = function() {
   console.log("I am a bird, of type = " +
   this.name);
  }
  this.fly = function() {
   console.log("I am flying!!");
  }
}
```

# THE PROPERTY sayHello APPEARS ONLY IN THE Bird OBJECT - SO IF THIS IS CALLED ON A Turkey OR FlightlessBird OBECT, THIS VERSION WILL BE CALLED.



```
function Turkey() {
  this.name =
}
```

3 OBJECT CONSTRUCTO

```
function Bird() {
    this.sayHello = function() {
        console.log("I am a bird, of type = " +
        this.name);

    this.fly = function() {
        console.log("I am flying!!");
    }

    Flightless
    If this.fly = function() {
        console.log("I can't fly, even though I');
}
```

THE PROPERTY fly APPEARS BOTH IN THE Bird OBJECT AND IN THE FlightlessBird OBECT - SO IF THIS IS CALLED ON A Turkey OR, THE FlightlessBird VERSION WILL BE CALLED.