

Inheritance with JavaScript Constructor Functions



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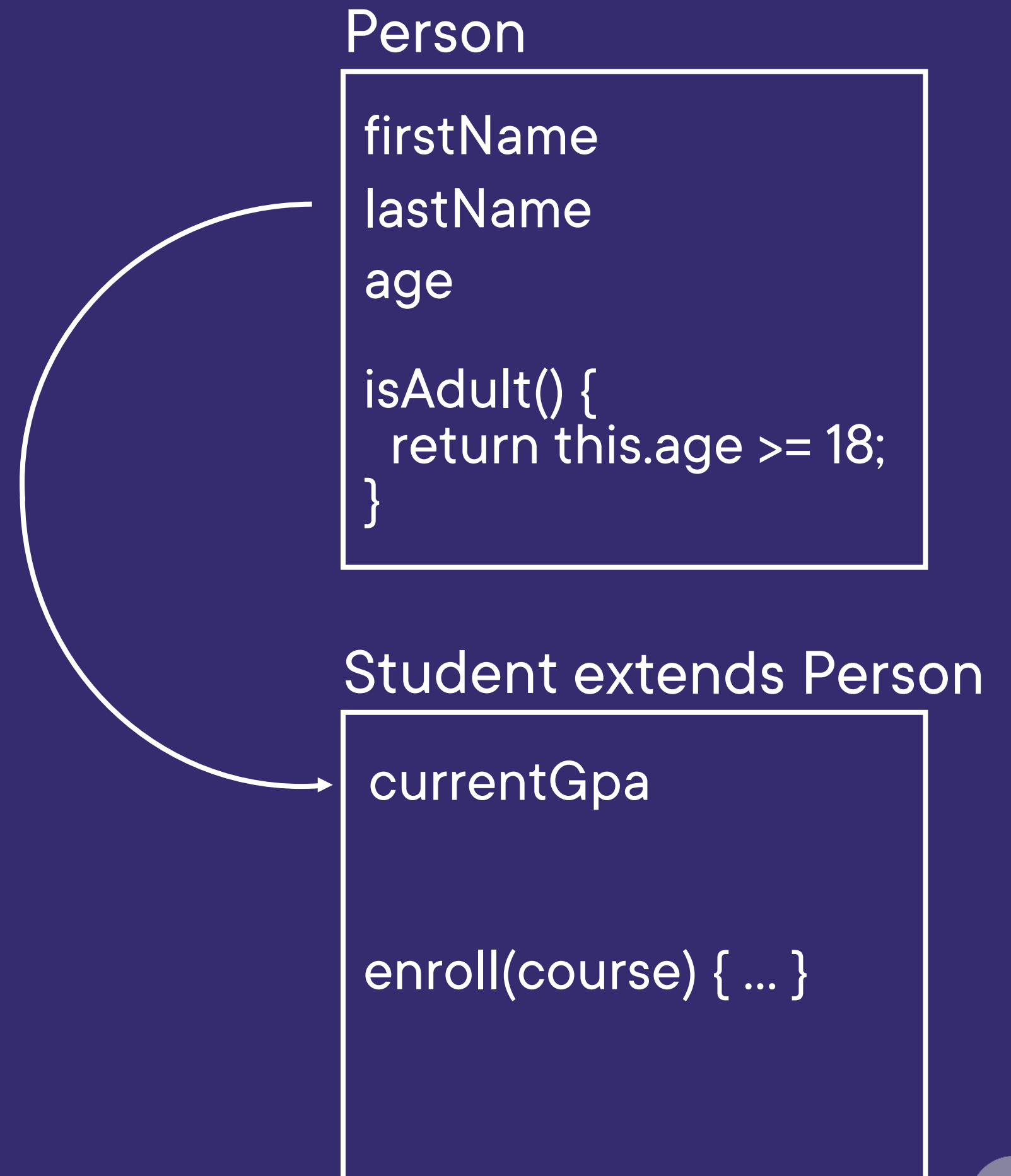
Object-oriented Concepts

Encapsulation

Composition

Inheritance

Polymorphism



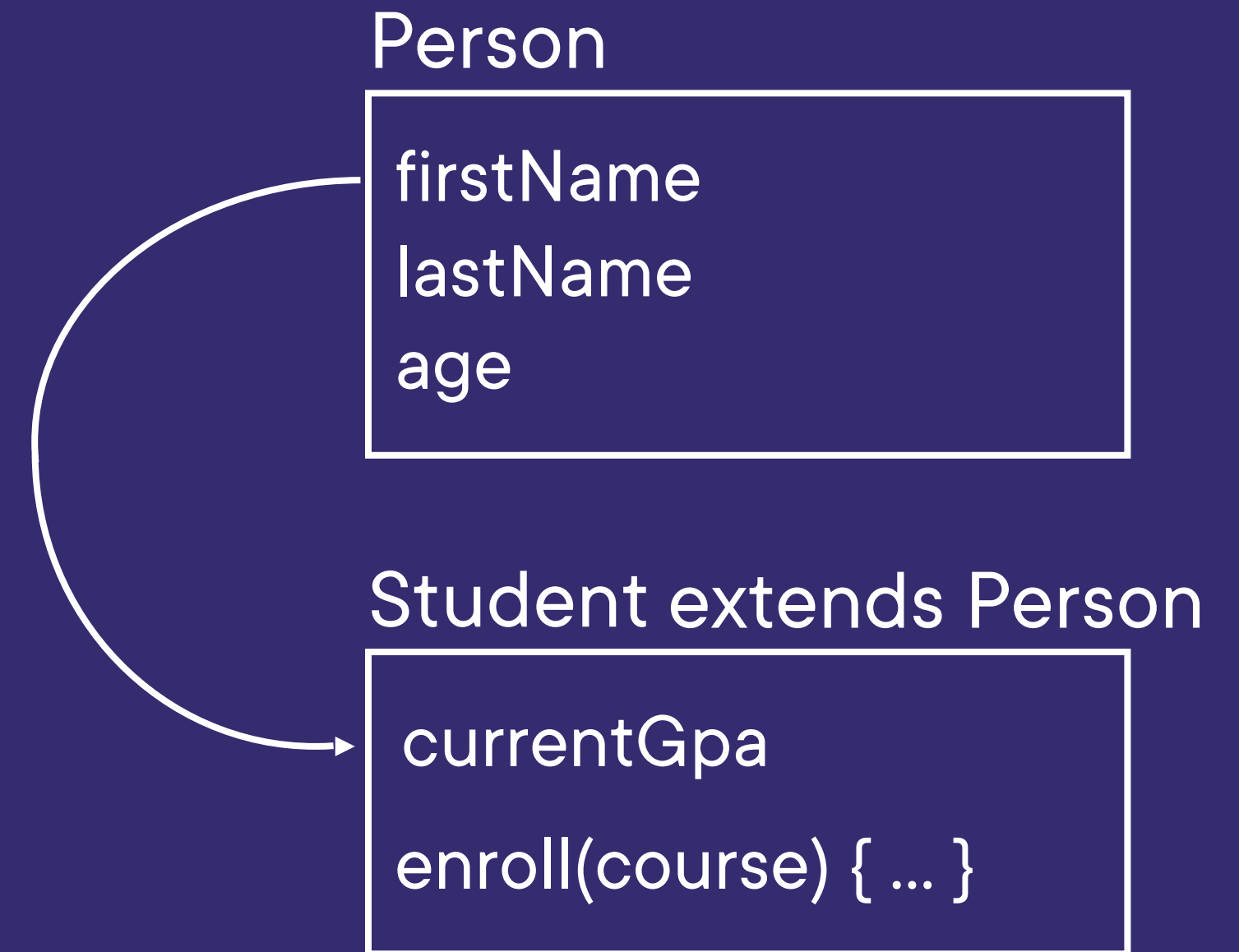
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```
function getFullName(person) {  
    return person.firstName + person.lastName;  
}
```

```
getFullName( myStudent );
```



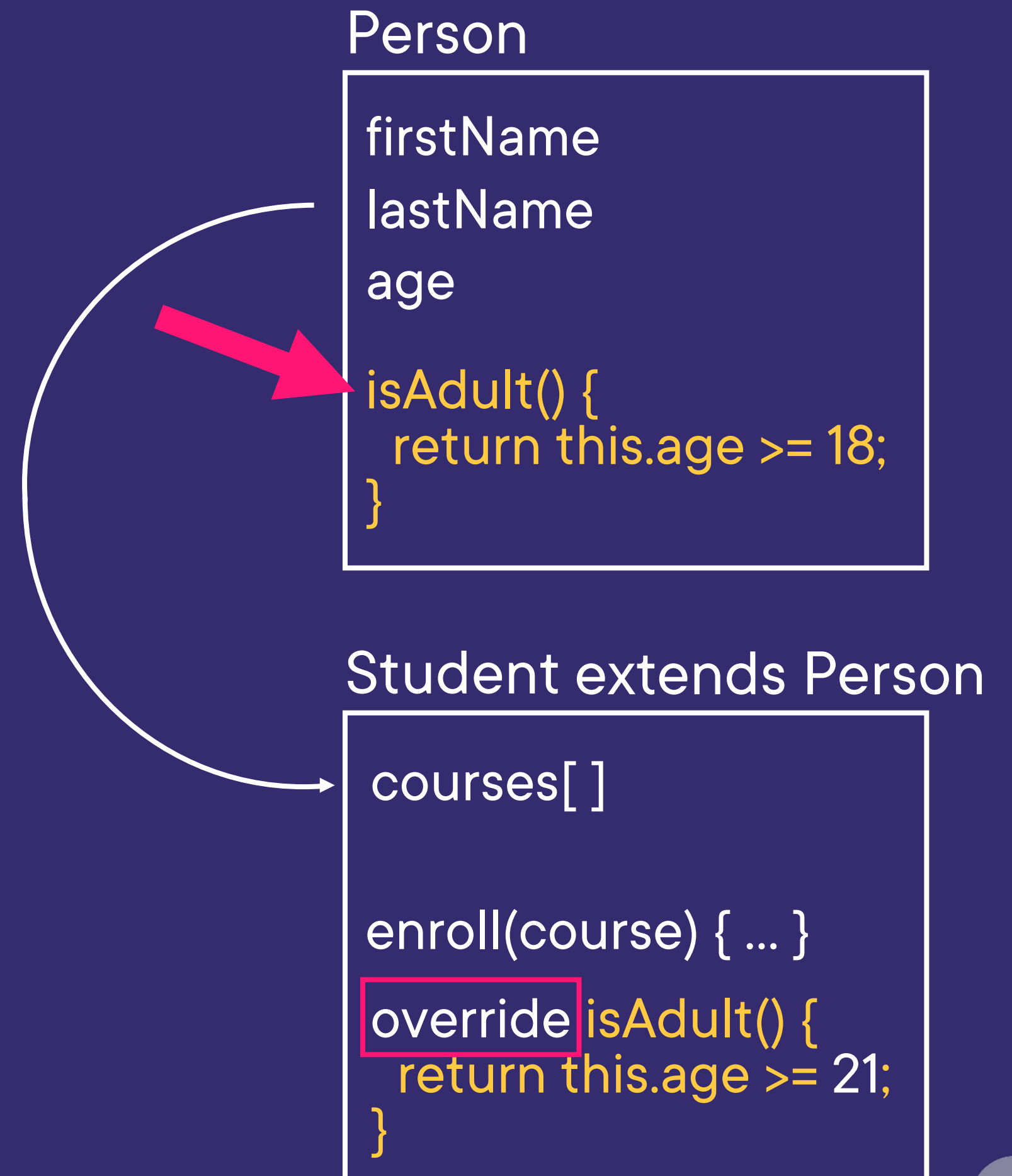
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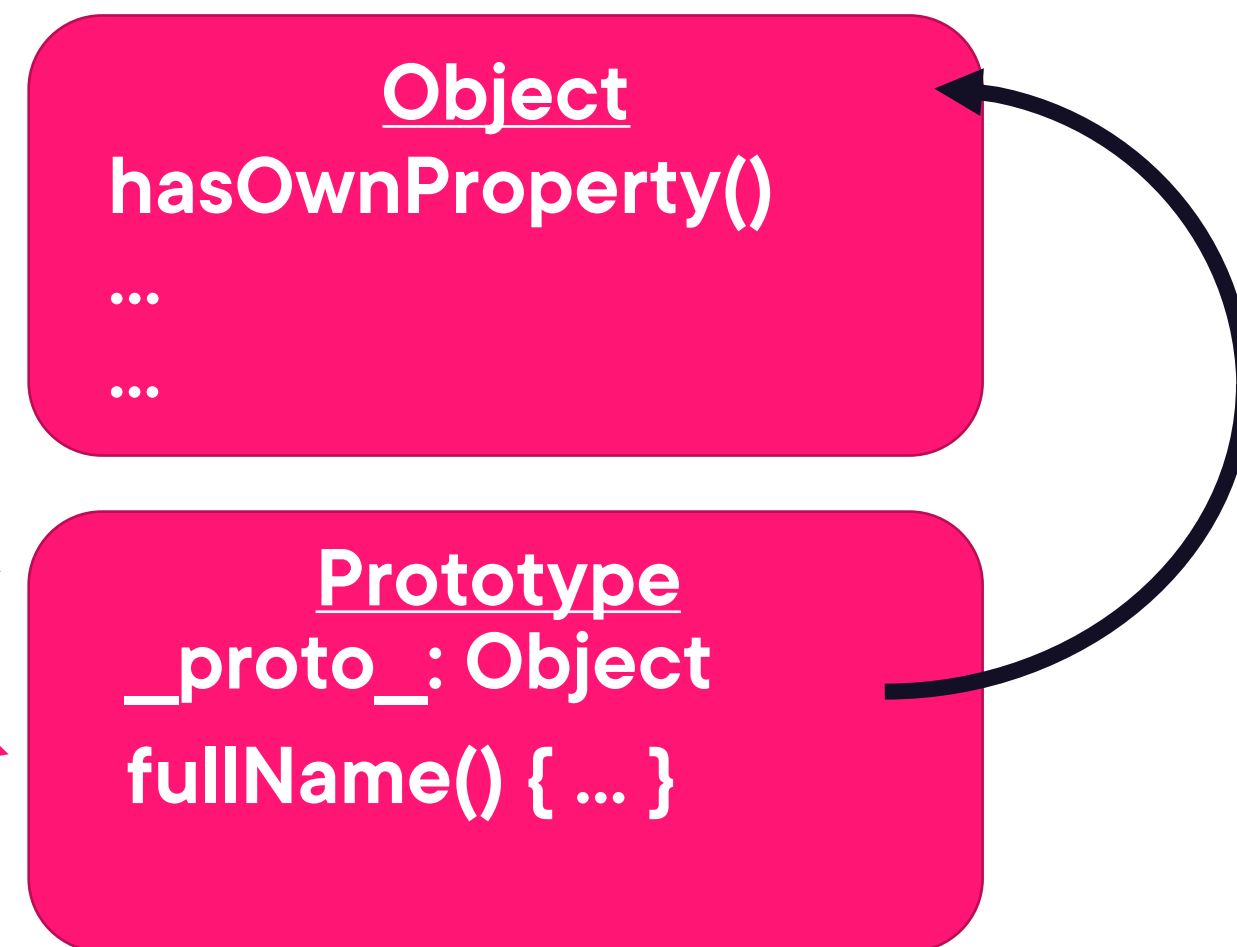
Polymorphism



```
function Person(firstName, lastName, age){
  this.firstName = firstName;
  this.lastName = lastName;
  this.age = age;
}

Person.prototype:

Person.prototype.fullName = function () {
  ...
};
```



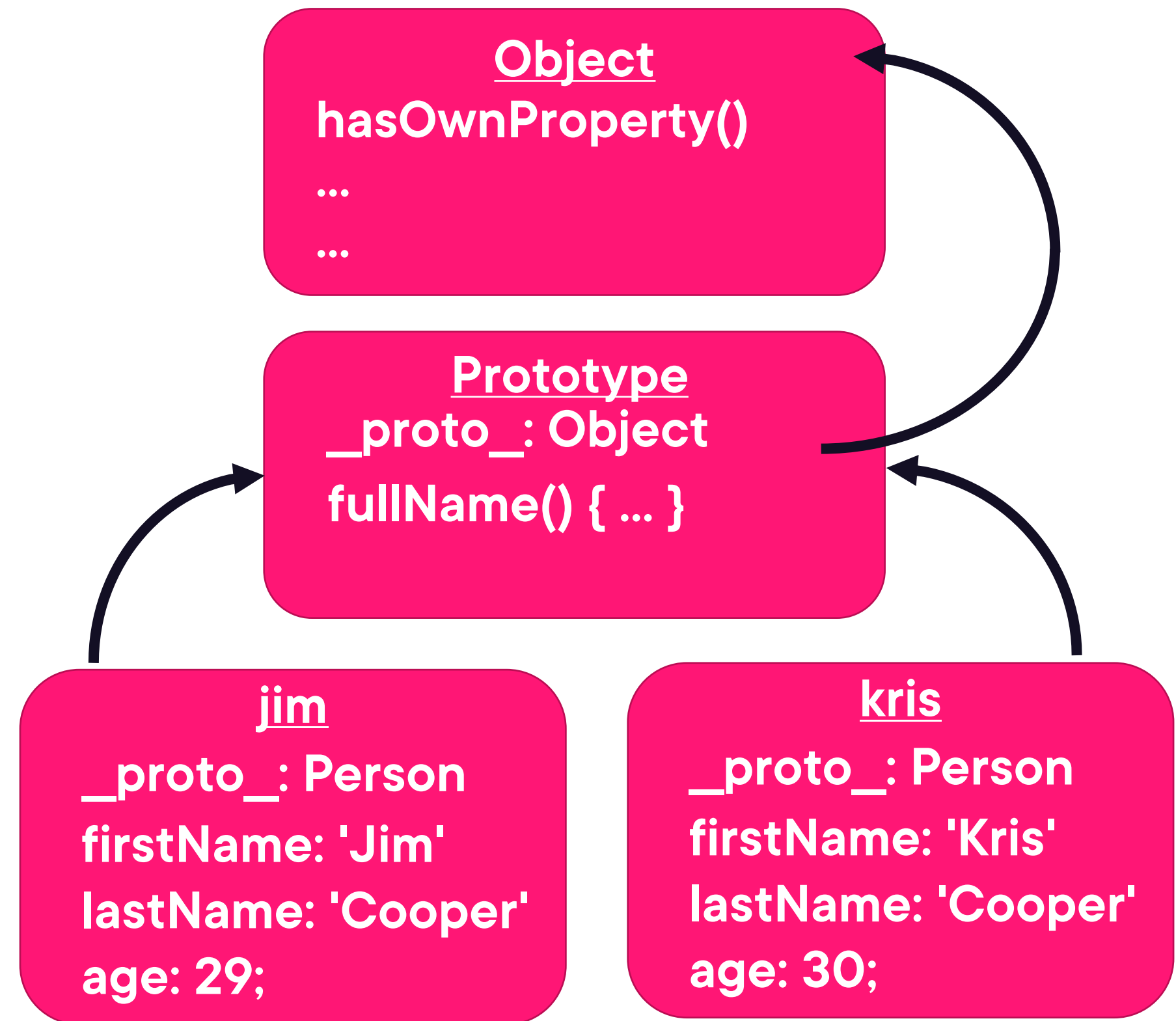
```
function Person(firstName, lastName, age){  
  this.firstName = firstName;  
  this.lastName = lastName;  
  this.age = age;  
}
```

Person.prototype:

```
Person.prototype.fullName = function () {  
  ...  
};
```

```
let jim = new Person('Jim', 'Cooper', 29);
```

```
let kris = new Person('Kris', 'Cooper', 30);
```



Using JavaScript Classes

