EXAMPLE 51: ITS POSSIBLE TO OVERRIDE PROPERTIES OF BUILT-IN OBJECTS TOO!

EXAMPLE 51: ITS POSSIBLE TO OVERRIDE OR ADD PROPERTIES OF BUILT-IN OBJECTS TOO!

ALL OBJECTS HAVE A `prototype` - THE OBJECT `Object`

THIS `prototype` CAN BE MODIFIED TO ADD, REMOVE OR MODIFY PROPERTIES

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THIS IS TRUE FOR BUILT-IN OBJECTS (SUCH AS STRINGS) AS WELL AS USER-DEFINED OBJECTS!

(BUT - BE CAREFUL MESSING AROUND WITH BUILT-IN OBJECTS!)

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```javascript
String.prototype.sayHello =    this.sayHello = function(
    console.log("I am a smart string - not just any string
but a smart string. Oh, and btw, my value is: " + this);
}


var someString = "Vitthal Srinivasan";
var someOtherString = "Humpty Dumpty";
someString.sayHello();
someOtherString.sayHello();
```

THIS SHOWS HOW SIMPLE IT IS TO ADD A PROPERTY `sayHello` TO A STRING OBJECT

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    console.log("I am a smart string - not just any string
but a smart string. Oh, and btw, my value is: " + this);
}

var someString = "Vitthal Gundakalle";
var someOtherString = "Humpty Dumpty";
someString.sayHello();
someOtherString.sayHello();
```

SIMPLY ADD A **sayHello** PROPERTY TO THE **prototype** OF THE STRING CLASS

THIS SHOWS HOW SIMPLE IT IS TO ADD A PROPERTY `sayHello` **TO A STRING OBJECT**

```javascript
String.prototype.sayHello =   this.sayHello = function(
    console.log("I am a smart string – not just any string
but a smart string. Oh, and btw, my value is: " + this);
}
```

```javascript
var someString = "Vitthal Srinivasan";
var someOtherString = "Humpty Dumpty";
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someOtherString.sayHello();
```

NOW, ALL STRINGS CREATED WILL HAVE A `sayHello` **PROPERTY!**

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but a smart string. Oh, and btw, my value is: " + this);
    }
```

```
var someString = "Vitthal Srinivasan";
var someOtherString = "Humpty Dumpty";
someString.sayHello();
someOtherString.sayHello();
```

```
I am a smart string - not just any string, but a smart string. Oh, and btw, my value is: Vitthal Srinivasan
I am a smart string - not just any string, but a smart string. Oh, and btw, my value is: Humpty Dumpty
```

NOW, ALL STRINGS CREATED WILL HAVE A `sayHello` PROPERTY!

```
String.prototype.sayHello =    this.sayHello = function(
    console.log("I am a smart string – not just any string
but a smart string. Oh, and btw, my value is: " + this);
    }
```

```
var someString = "Vitthal Srinivasan";
var someOtherString = "Humpty Dumpty";
someString.sayHello();
someOtherString.sayHello();
```

```
I am a smart string – not just any string, but a smart string. Oh, and btw, my value is: Vitthal Srinivasan
I am a smart string – not just any string, but a smart string. Oh, and btw, my value is: Humpty Dumpty
```