EXAMPLE 22: ITERATING OVER ALL THE PROPERTIES IN AN OBJECT

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SAY YOU HAVE AN OBJECT, AND ARE NOT QUITE SURE WHAT PROPERTIES IT HAS - YOU CAN SIMPLY ITERATE OVER ALL OF ITS PROPERTIES.

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```
for (var propertyName in rectangle){
    var propertyValue = rectangle[propertyName];
    console.log("Property name = " + propertyName
    console.log("Property value = " + propertyVal
}
```

THIS IS A SPECIAL KIND OF FOR-LOOP!

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ONCE WE HAVE THE NAME OF THE PROPERTY, GETTING ITS VALUE IS NOT HARD!

THIS IS AN EXCELLENT EXAMPLE OF THE UTILITY OF THE [] WAY OF ACCESSING PROPERTIES - HERE THE . WAY WOULD NOT HAVE

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THIS WILL GIVE US THE VALUES OF ALL NON-FUNCTION PROPERTIES. FOR FUNCTION PROPERTIES, IT WILL GIVE US THE UNDERLYING OBJECT.

EXAMPLE 22: ITERATING OVER ALL THE PROPERTIES IN AN OBJECT

WE SAID "ALL OBJECTS CAN BE 'ITERATED OVER' IN THIS WAY"

IF YOU ARE WONDERING HOW THAT IS - WELL ITS BECAUSE ALL OBJECTS HAVE A COMMON BASE OBJECT THAT SUPPORTS THIS BEHAVIOUR. MORE LATER :-)