

# Codingfolio

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# How to improve programming(coding) skills?



See lots of codes



Write lots of codes

# How?

Programmer can see code

Programmer can solve code



**IT'S NOT  
ENOUGH**

# Tutorial

Has more question than Book.



# Tutorial sites

W3School

Lynda

Codingbat

# Good?

W3school: Have a lot of question by topics, but user can't combine two different topics.

## JS Tutorial

JS HOME

JS Introduction

JS Where To

JS Output

JS Syntax

JS Statements

JS Comments

JS Variables

JS Operators

JS Arithmetic

JS Assignment

JS Data Types

JS Functions

JS Objects

JS Scope

JS Events

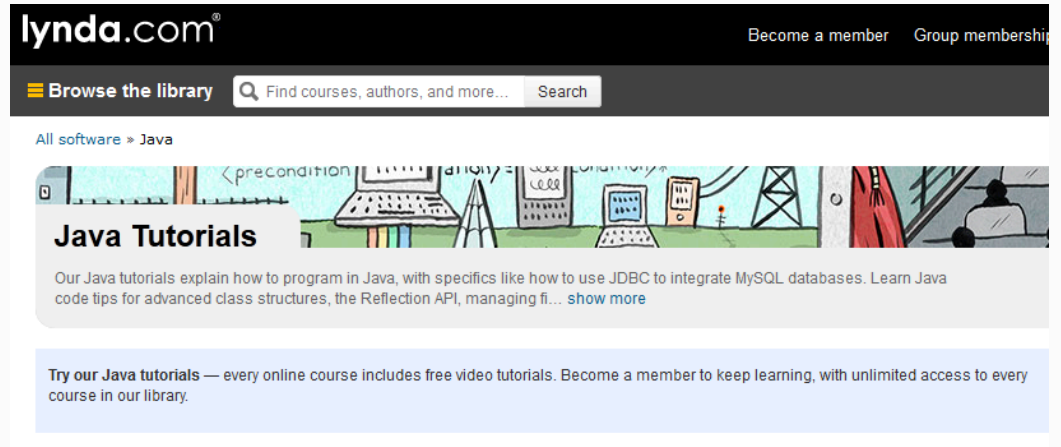
JS Strings

JS String Methods

JS Numbers

# Good?

Lynda: It is more focusing at lesson



The screenshot shows the Lynda.com website interface. At the top, the logo "lynda.com" is on the left, and "Become a member" and "Group membership" are on the right. Below the logo is a navigation bar with "Browse the library" and a search box containing the text "Find courses, authors, and more...". The main content area is titled "All software » Java" and features a large banner for "Java Tutorials". The banner includes a cartoon illustration of a desk with a laptop, a tower PC, and a person sitting at a desk. Below the banner, there is a paragraph of text describing the Java tutorials and a "show more" link. At the bottom, there is a light blue box with the text "Try our Java tutorials — every online course includes free video tutorials. Become a member to keep learning, with unlimited access to every course in our library."

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All software » Java

## Java Tutorials

Our Java tutorials explain how to program in Java, with specifics like how to use JDBC to integrate MySQL databases. Learn Java code tips for advanced class structures, the Reflection API, managing fi... [show more](#)

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# Good?

## Codingbat: Little questions, little topics.

CodingBat code practice [about](#) | [help](#) | [c](#)

Java > Warmup-1 > in1020  
[prev](#) | [next](#) | [chance](#)

Given 2 int values, return true if either of them is in the range 10..20 inclusive.

```
in1020(12, 99) -- true
in1020(21, 12) -- true
in1020(8, 99) -- false
```

Go ...Save, Compile, Run Show Solution

```
public boolean in1020(int a, int b) {
    return ( (a >= 10 && a <=20) || (b >= 10 && b <=20) );
}
```

Expected	Run	
in1020(12, 99) -- true	true	OK
in1020(21, 12) -- true	true	OK
in1020(8, 99) -- false	false	OK
in1020(99, 10) -- true	true	OK
in1020(20, 20) -- true	true	OK
in1020(21, 21) -- false	false	OK
in1020(9, 9) -- false	false	OK

✓ All Correct

[next](#) | [chance](#)  
CodingBat > Warmup-1  
[rabbittfighter81@gmail.com](mailto:rabbittfighter81@gmail.com) done page  
Your progress graph for this problem

### Warmup-1

Simple warmup problems to get started (solutions available)

### Warmup-2

Medium warmup string/array loops (solutions available)

### String-1

Basic string problems -- no loops

### Array-1

Basic array problems -- no loops.

### Logic-1

Basic boolean logic puzzles -- if else && || !

### Logic-2

Medium boolean logic puzzles -- if else && || !

### String-2

Medium String problems -- 1 loop

### String-3

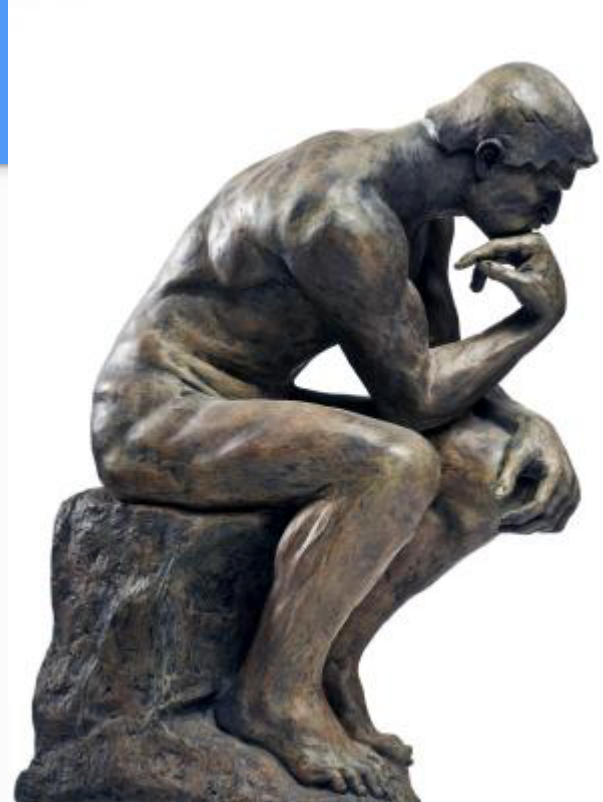
Harder String problems -- 2 loops

# What if?

What if I develop tutorial, not a lesson?

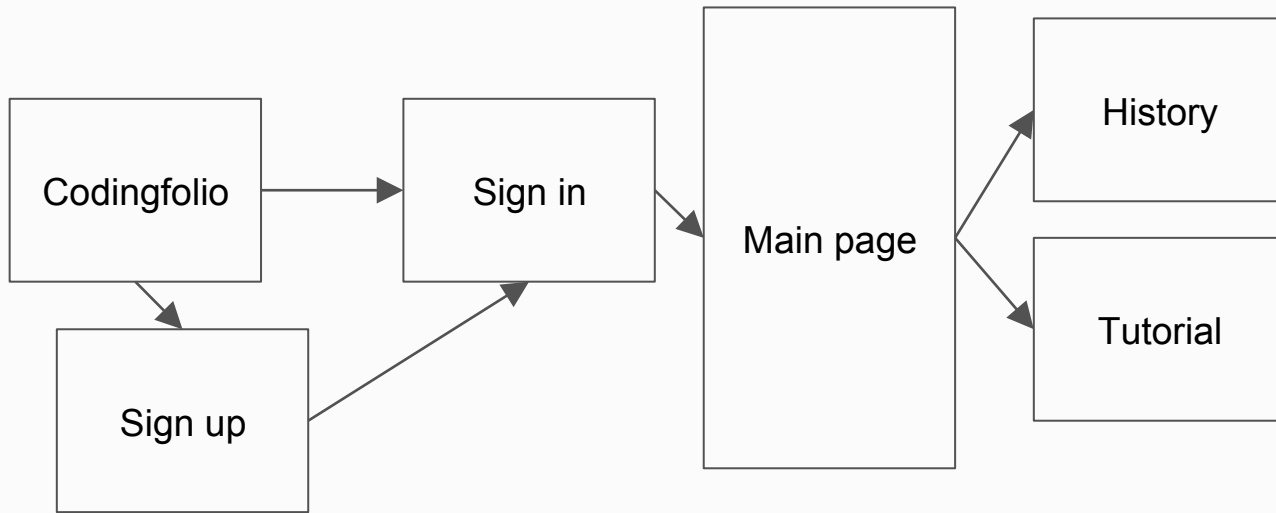
What if user can combine two different topics in one question?

What if tutorial that have history page?



# Codingfolio

- Can input topic
- Can input multiple topics
- Can store your history



# Codingfolio Demo

# How it works?

Get, and set Question

Global.java

Get tags

Question  
Manager.java

Topics

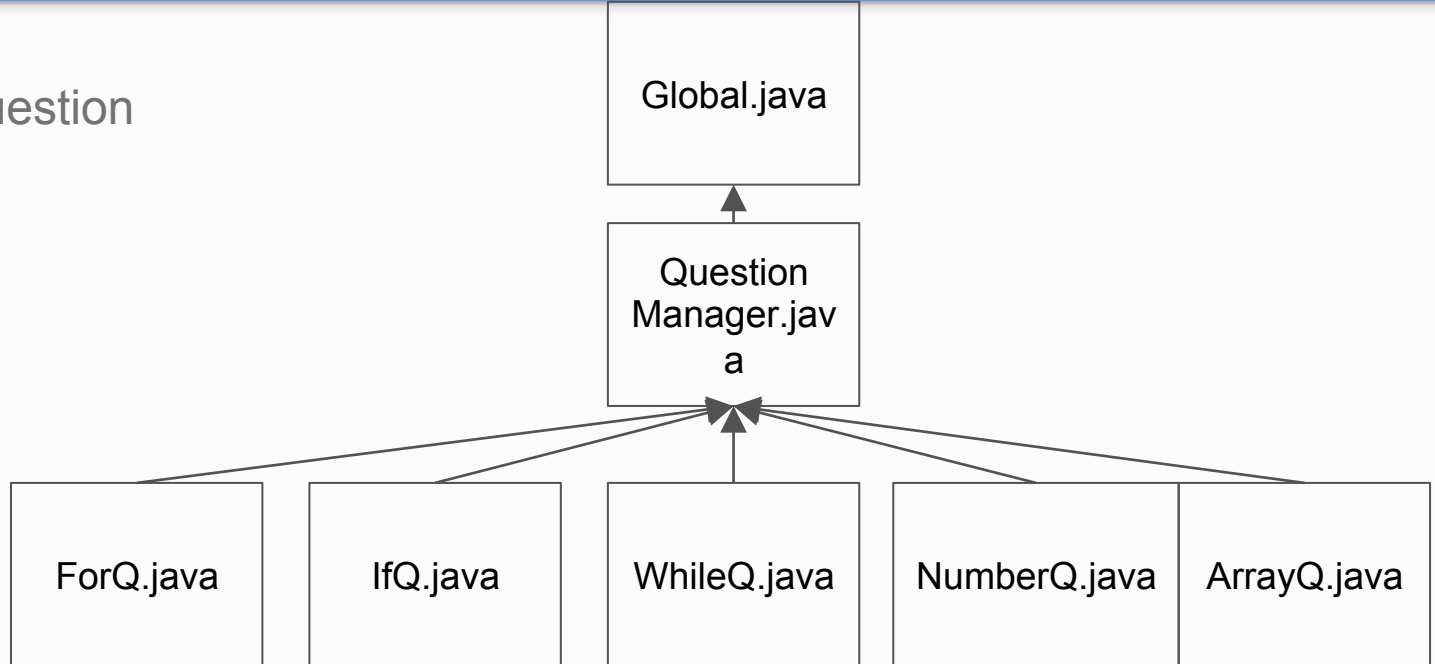
ForQ.java

IfQ.java

WhileQ.java

NumberQ.java

ArrayQ.java



# Global.java

```
JavaCodeRunner javaCodeRunner=new JavaCodeRunner();
coc.start();
program="public class MainClass{public static void main(){System.out.print(2);}}";

javaCodeRunner.runCode(program);
String res1=coc.stop();
```

# QuestionManager.java

If user input one topic

Example if tag id for then it calls the ForQ.java

```
if(tags[0].equalsIgnoreCase("for"))  
{  
    ForQ forQ = new ForQ();  
}
```



# QuestionManager.java

If user input two topic

```
Example if tags are while and string  
StringQ stringQ = new StringQ();  
WhileQ whileQ = new WhileQ(stringQ);
```

Codingfolio