

About practicing and learning by contributing to Pharo

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<https://github.com/pharo-project/pharo>





z. zidane

**Practiced
football?**



z. zidane

**Practiced
football? Yes**



z. zidane



r. federer

**Practiced
tennis?**



r. federer

**Practiced
tennis? Yes**



r. federer



k. buniatishvili

**Practiced
Piano?**



k. buniatishvili

**Practiced
Piano? Yes**



k. buniatishvili

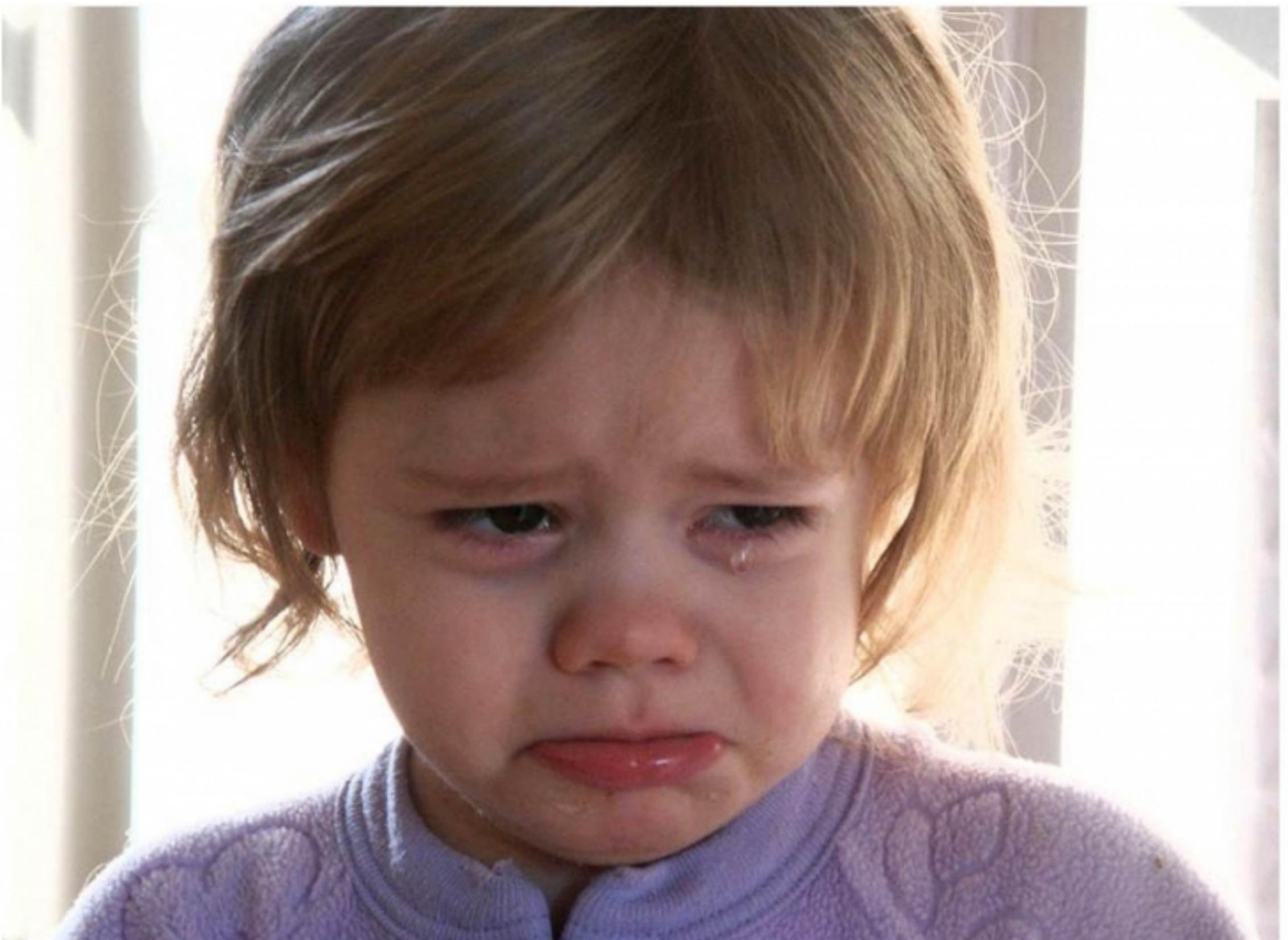
Did you see the
pattern?

**How to practice
software skills?**

How to practice software skills?

- Program (but how to get feedback) code reviews are precious but difficult to get
- Code katas (always fun)
- Participate to sprints - Pair program
- **Join the community...**

But I'm a noob



A blurred, motion-filled image of a busy city street, likely Times Square in New York City, with bright neon signs, yellow taxis, and people walking.

**And the world is
complex**

Wait wait wait...

We are all noobs!



**The solution is just
some clicks away...**

**Take *any* opportunity
to read code**

**Take *any* opportunity
to contribute**

A PIECE OF CAKE

Contributing is easy &
simple

Possible contributions

- **Read/answer newbie questions**
- **Participate to the wiki**
- **Review bug entry description**
- **Review bug fixes**
- **Write tests for bug entries**
- **Improve test coverage**
- **Improve comments**

Newbie Questions

- I learned a lot answering them :)
- When I did not know I looked for the answers
- Try and learn

Read discord

The screenshot shows a Discord interface with the following details:

- Server:** Pharo
- Channel:** # exercism
- User:** @tmackinnon
- Message:** roelof Today at 11:14 AM
Oke, I see the symmetries but do not see the way I can calculate the spaces
- Message:** roelof Today at 1:21 PM
still not right:

```
makeRow: aChar
    | half outerspaces innerspaces |
    outerspaces := aChar asInteger - $A asInteger + 1.
    innerspaces := aChar asInteger - $A asInteger - outerspaces + 1.
    half := String
        streamContents: [ :stream |
            stream
                nextPutAll: (self
                    displaySpaces: outerspaces);
                nextPut: aChar;
                nextPutAll: (self
                    displaySpaces: innerspaces) ].
```

^ half , half allButLast reversed
- Reactions:** A sad face emoji is shown below the last message.
- Bottom Message:** BenComan Today at 1:58 PM
Can you show what you do get?
- Right Sidebar:**
 - ADMIN—5:** Alexandre Bergel, astares, BenComan, Esteban Lorenzano, Serge Stinckwich
 - ONLINE—97:** [MT]fire (Playing Garry's Mod), Aliaksei Syrel, Allex Oliveira, Atsa, Bence.Fabian, Benoit Verhaeghe, benravin, Bill Dargel, bitmapperr

Answer questions

- On discord
- Mailing-list

The screenshot shows a dark-themed Discord interface. At the top, the server name "Pharo" is visible, along with a dropdown arrow, a search bar, and user status indicators. The channel name "# general" is centered at the top of the main pane. Below the channel name, a message from "Kasper" is shown, followed by a code snippet. A response from "Julien" follows, and another from "Kasper". At the bottom of the screen, there is a message input field with placeholder text "Message #general" and several small icons for attachments.

ADMIN—5

- Alexandre Bergel
- astares
- BenComan
- Esteban Lorenzano
- Serge Stinckwich

ONLINE—100

- [MT]fire Playing Garry's Mod
- Aliaksei Syrel
- Allex Oliveira
- Atsa
- Bence.Fabian
- Benoit Verhaeghe
- benravin
- Bill Dargel
- bitmapper
- BlazingMagpie

general

Channels for all questions ask...

Kasper Last Monday at 11:50 AM

Do any of the object relational mapping frameworks for smalltalk do something similar to .Net linq? I used the AST to get a super preliminary thing running:

(PlinqTestAuthor new select: [:auth | auth born ~= 1960]) sqlCode.
gives this result:
select *
from Author as auth
where auth.born != 1960

Most things are not yet possible, but just wanted to know if it had been done before. (edited)

Julien Last Monday at 1:27 PM

@Kasper I have a prototype of DSL to generate SQL code from Pharo
but it is not public yet I can put it on a github repository
we should definitely talk @ ESUG :p

Kasper Last Monday at 2:39 PM

@Julien Ohh - sounds like fun. See you next week sometime.

DenisKudriashov Last Monday at 8:56 PM

@Kasper there is an ORM GI ORP which supports

Message #general

Bug issue contribution

- Can you understand it?
 - else ask for precision
- Can you repeat the problem mentioned?
 - Report it! This is a valuable information

Bug issue contribution

- Write a test to show the problem?
- If the contributor provides a test, is it sound?

Join/read bug issue discussion

None yet

Milestone 

No milestone

Notifications  Customize

 **Unsubscribe**

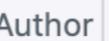
You're receiving notifications because you're watching this repository.

2 participants 

 Lock conversation

 Pin issue 

 Transfer issue

dalehenrich commented 19 days ago  + ...

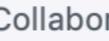
Once you get past the missing tab message you aren't completely out of the woods. If you want the STON output to be correctly display on stdout (on Ubuntu 16.04) you have to arrange for STONWriter to use `String lf`, instead of the default `String cr` --- if you don't, the output is pretty much scrambled ...

 dalehenrich referenced this issue 19 days ago
[\(Pharo 7.0.3\) StdioStream>>peek \(on stdin\) returns a byte instead of a character #4173](#) 

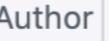
dalehenrich commented 19 days ago  + ...

FWIW, this implementation satisfies my needs:

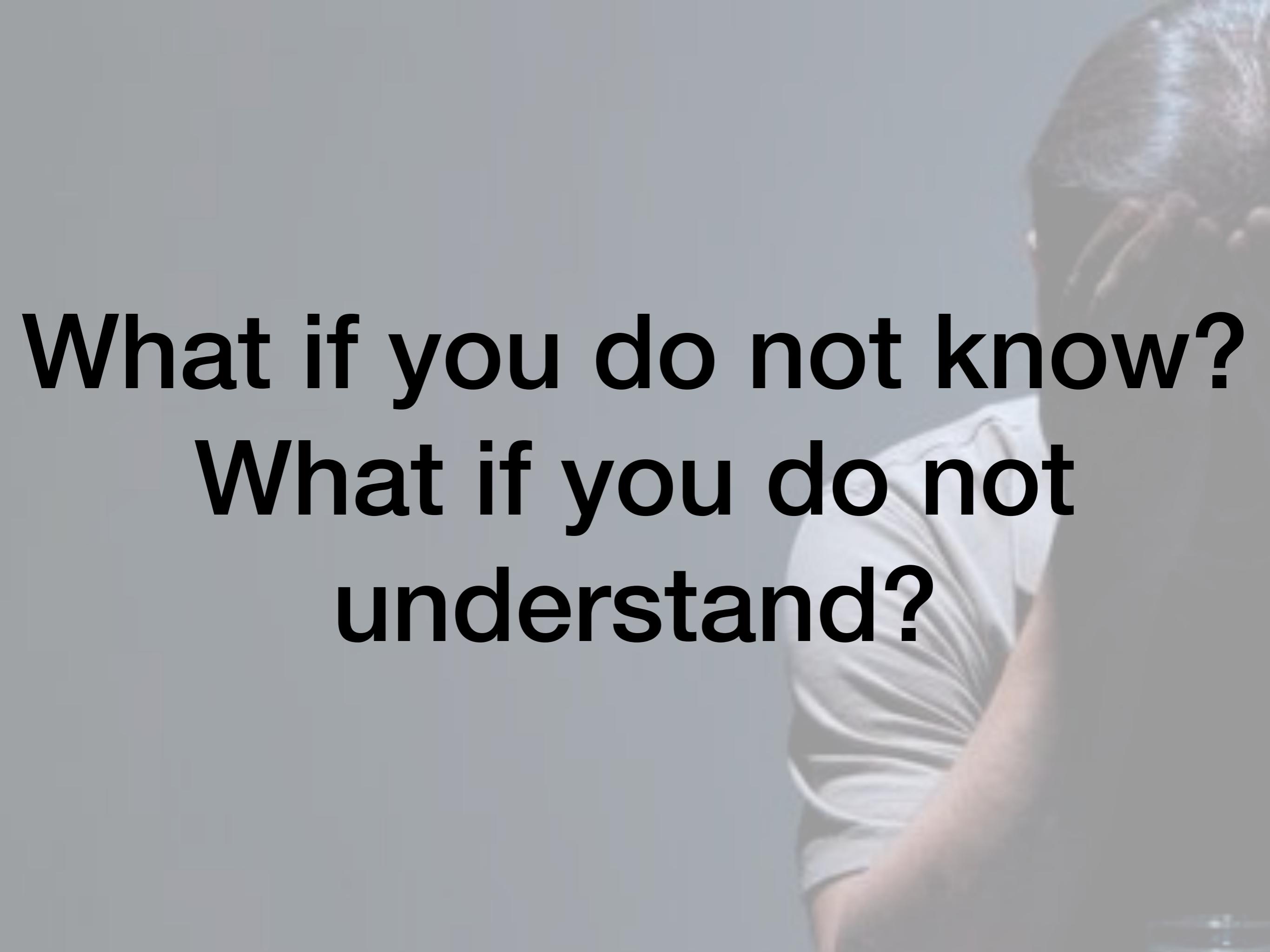
```
tab
^ self nextPutAll: String tab
```

akgrant43 commented 18 days ago  + ...

As with [#4173](#), take a look at wrapping stdout with a `ZnCharacterWriteStream` and `ZnNewLineWriterStream`.

dalehenrich commented 18 days ago  + ...

@akgrant43 thanks a lot

A soft-focus photograph of a person with dark hair, wearing a white turban and a light-colored, possibly white or cream, long-sleeved shirt. The person's head is bowed, and they appear to be in a state of deep thought or prayer. The background is a plain, light color.

**What if you do not know?
What if you do not
understand?**

Easy!
Drop it and pick the
next one

Read tests to learn

- Tests are cool to learn
- Tests can be improved, so you can improve them

Improve test coverage

- It is often easier to write tests than the code :)
- Grab an object and inspect it
- Turn this in a test

Add executable comments

```
allRangesOfSubstring: aSubstring
  ''Ab cd ef Ab cd' allRangesOfSubstring: 'cd' >>> {((4 to: 5), (13 to: 14))}"
  ''Ab cd ef Ab cd' allRangesOfSubstring: 'zz' >>> #()

^ Array streamContents: [:s | | start subSize |
  start := 1.
  subSize := aSubstring size.
  [start isZero]
    whileFalse: [ start := self findString: aSubstring startingAt: start.
      start > 0
        ifTrue: [s nextPut: (start to: start + subSize - 1).
          start := start + subSize]]]
```

[Free side effect]



When you contribute to open-source you
improve [your](#) visibility

Do not miss a great
opportunity to grow your
knowledge

Join and invent the future

