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Thread: [Unfamiliar Java syntax](#)

Avocado - August 26, 2015, 7:12 pm

Hey,

Can anyone tell me what this syntax is in Java?

```
invoke() -> new Main();
```

What is "()" ->" has something to do with a Runnable I'm assuming.

I can't find it in the docs though.

Lambdas guys.. new Java 8 operator. TIL.

MrOrang - August 27, 2015, 1:25 am

Yeah it's the new lambdas.

Instead of writing something like `new Runnable() {public void run() {}}`

You just write `() ->{your normal code}`

Have a look at lambdas.

Avocado - August 27, 2015, 2:06 am

(Aug 27, 2015 01:25 AM)Looka Wrote: [\[CITE\]](#) Yeah it's the new lambdas.

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Have a look at lambdas.

Yea I'll definitely take a 'Looka' ;)

WildeThing - August 27, 2015, 8:25 am

inb4 Dan K doesn't like lambda expressions.

The usefulness of lambda expressions becomes apparent when you use lots of events and lists (and hasmaps - any collection of data really).

PHP Code

```
<?php
```

```
hfMembers.forEach(member -> member.kill());
```

It's useful for collections of data for filtering and looping through and comparing. In my opinion, it syntactically looks cleaner and is easy to follow. I tried lambda in C++ - never really picked up on it that much but Java's lambda expressions are incredibly straight forward. It's useful to learn.

clrlslwi - August 27, 2015, 9:16 am

(Aug 27, 2015 08:25 AM)WildeThing Wrote: [\[CITE\]](#) inb4 Dan K doesn't like lambda expressions.

He insults me in one way or another whenever he sees me using a lambda. I keep trying to talk him

into using them though.

Also, Java 8 Streams can easily turn your code into spaghetti when trying to filter, convert data types, etc. I've had to avoid using them a handful of times because my code was simply unreadable.

WildeThing - August 27, 2015, 9:56 am

(Aug 27, 2015 09:16 AM)Demmonic Wrote: [\[CITE\]](#) He insults me in one way or another whenever he sees me using a lambda. I keep trying to talk him into using them though.

Also, Java 8 Streams can easily turn your code into spaghetti when trying to filter, convert data types, etc. I've had to avoid using them a handful of times because my code was simply unreadable. I tried to get him into JavaFX one time and he now refers to it as a "badly designed mess" - not actual words but something similar on other thread.

Meh, I find that formatting it so that each method call to the new line (like the convention shows) makes it readable. It's not perfect but I can make out what's happening pretty easily and have never had to avoid using streams at all due to messy code.

csrk - August 27, 2015, 10:15 am

As others have said this is a lambda expression. I believe this is the newest attempt to bring more functional concepts into Java.

You should take a look at Lambda functions in Haskell :-) It's, in my opinion, the best functional language.

Jire - September 3, 2015, 3:04 am

Java's lambdas are syntactic sugar to produce anonymous classes that require one method to be implemented.