

CODEVERSATIONS

Building the future of Slack



Ram Goli



Leland Jansen



Nathan Kamm



Ahsan Naveed



Suyash Saxena

tickticktick'); DROP TABLE participants;--



tickticktick

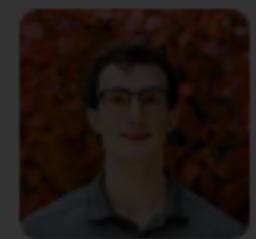
dev-help

You created this channel today. This is the very beginning of the # dev-help channel.



[Set a purpose](#) [+ Add an app](#) [Invite others to this channel](#)

Today



leland 4:31 PM

joined #dev-help along with 4 others.



leland 4:44 PM

Would someone be willing to help me with my C++ code? It's giving me the wrong result. (edited)



anaveed 4:45 PM

What's the error?



leland 4:49 PM

I am adding items in the list `[1, 2, 3]`. The count should be 6 but is 1879048198.



anaveed 4:49 PM

Hmmmm... interesting

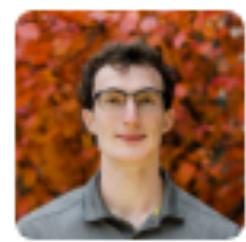
Can I see your code?



anaveed 4:49 PM

Hmmmm... interesting 🤔

Can I see your code?



leland 🌵 4:49 PM

Sure.

```
#import <iostream>
#import <vector>

auto main() -> int {
    std::vector<int> list { 1, 2, 3 };
    auto count = 0;
    for (std::size_t i = 0; i <= list.size(); ++i) {
        count += list[i];
    }
    std::cout << "Count: " << count << '\n';
}
```



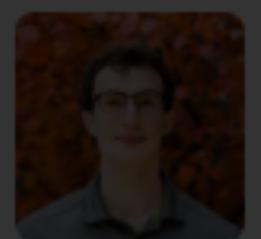
anaveed 4:50 PM

I can't get this to compile on my machine 😞



leland 🌵 4:50 PM

Oh, I'm using C++17. Try adding `-std=c++17` to your compiler flag.



leland 4:50 PM

Oh, I'm using C++17. Try adding `-std=c++17` to your compiler flag.



anaveed 4:50 PM

Oh yeah! let me try

Oh but I get a different `count` 🤔



leland 4:51 PM

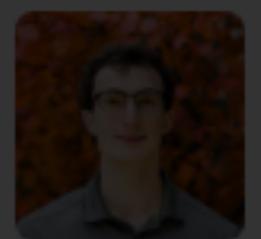
Huh



anaveed 4:51 PM

I think I found the problem 🙌

You are trying to access bad memory change your looping condition to `i < list.size()`



leland 4:54 PM

Works! (edited)

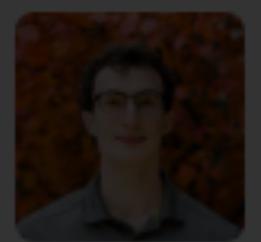
Count: 6

Thanks.



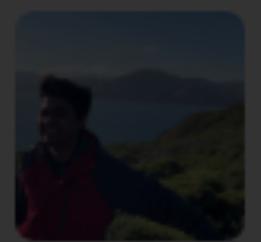
anaveed 4:54 PM

You're welcome 😊 (edited)



leland 4:50 PM

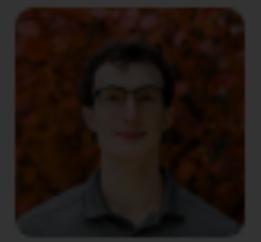
Oh, I'm using C++17. Try adding `-std=c++17` to your compiler flag.



anaveed 4:50 PM

Oh yeah! let me try

Oh but I get a different `count` 🤔



leland 4:51 PM

Huh



anaveed 4:51 PM

I think I found the problem 🙌

You are trying to access bad memory change your looping condition to `i < list.size()`



leland 4:54 PM

Works! (edited)

Count: 6

Thanks.



anaveed 4:54 PM

You're welcome 😊 (edited)

YESTERDAY

```code```

*Formats your code*

# TODAY

/ ```` code

# TODAY

/ `` `` code

*Formats and runs your code!*

*Language detection*

# DEMO



# CODEVERSATIONS

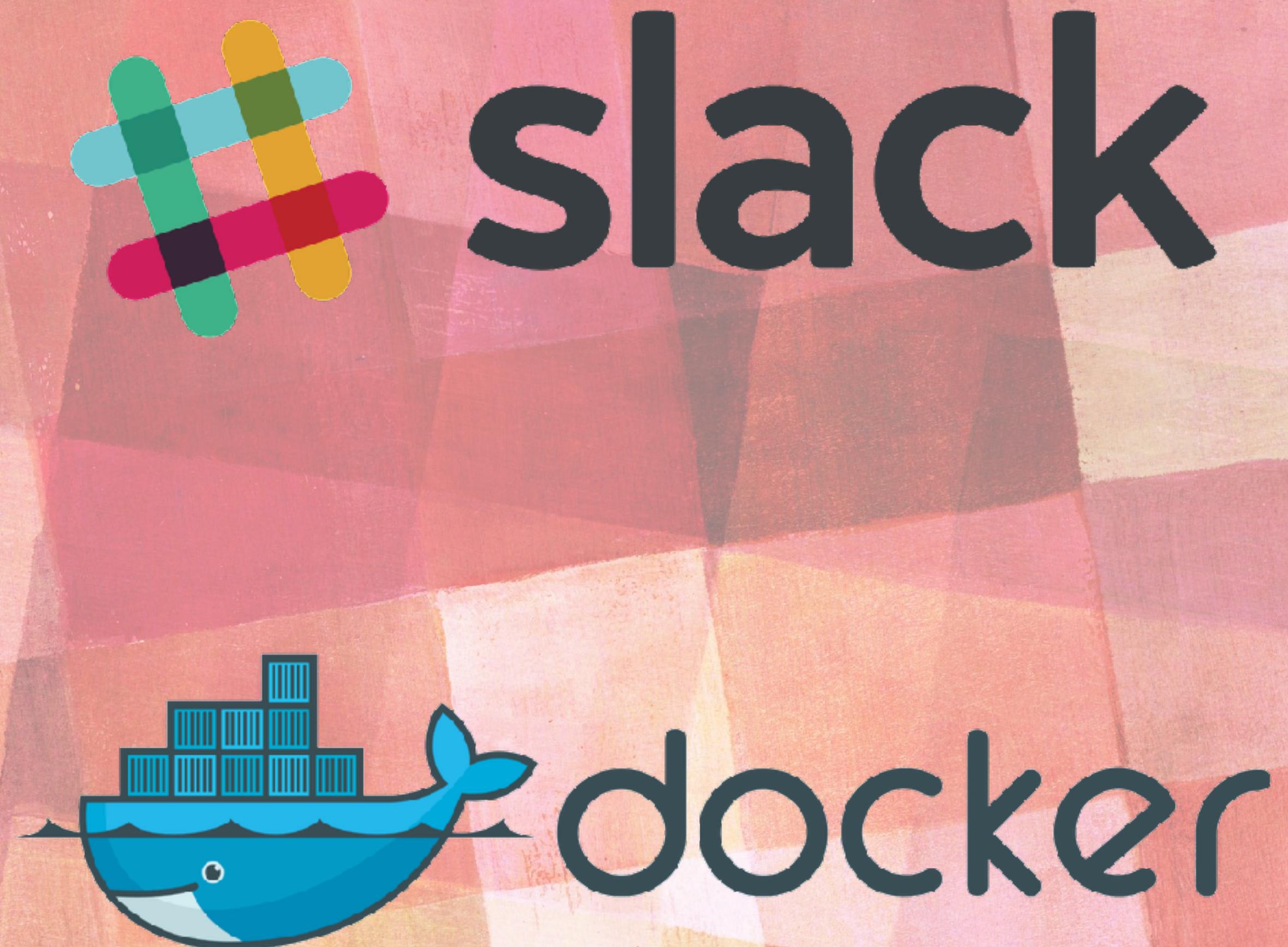
---

- Conversational
- Custom environments
- C++, JavaScript, Python, Bash, AND libraries
- Auto-detect syntax
- Don't leave the chat
- Consistent environment
- Works on mobile!

## IMPLEMENTATION

---

- Client Slack API using /command
- Execute code remotely
- Docker containers
- Isolation
- Excitement



“

In Slack, *everyone* is here and they respond *quickly*.

—Michael Lopp

“

In Slack, *everyone*<sup>▲</sup> is here and they respond *quickly*.  
**including code**

—Michael Lopp

Code is conversational.

Code is conversational.

Future for designers, data, and developers.

**tickticktick**  
11 cheers for binary!

[github.com/ramsgoli/ticktictick](https://github.com/ramsgoli/ticktictick)



## VISION AND FUTURE WORK

---

- Native Slack support
  - Syntax highlighting
- Edit already code blocks
- Provide program input
- More containers
- Expose easy API for custom hardware and containers