

CS50's Tools

Carter Zenke

cs50.ly/tools

cs50.dev

cs50.ai

check50

style50

submit50

submit.cs50.io

...

cs50.readthedocs.io

Hello, World

cs50.harvard.edu/x

cs50.harvard.edu/x/2023/psets/1/hello

cs50.ly/join



Sign in to **GitHub**
to continue to **CS50 Submit**

Username or email address

Password

[Forgot password?](#)

Sign in

[Sign in with a passkey](#)

New to GitHub? [Create an account](#)



No Submissions

You don't seem to have any submissions yet for the CS50x 2023 course.

You can submit via `submit50` or, if comfortable with `git`, by pushing to `https://github.com/me50/CarterZenke.git`.

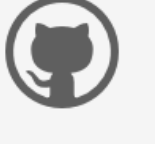
cs50.dev

Setting up your codespace

```
✓ Image found.  
⋮ Building container...  
View logs
```

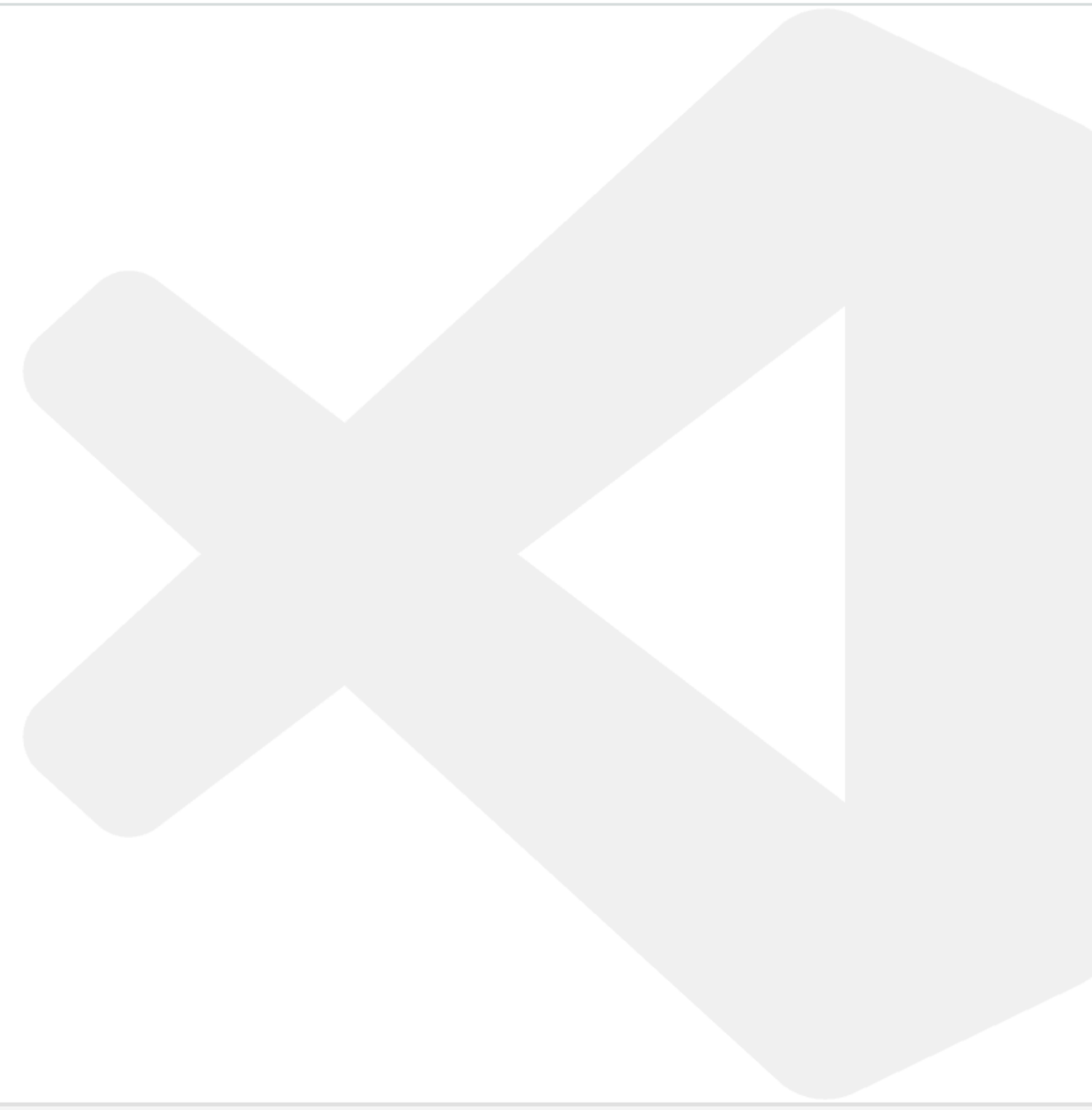
EXPLORER

5281090 [CODESPACES]



> OUTLINE

> TIMELINE



TERMINAL

\$ █

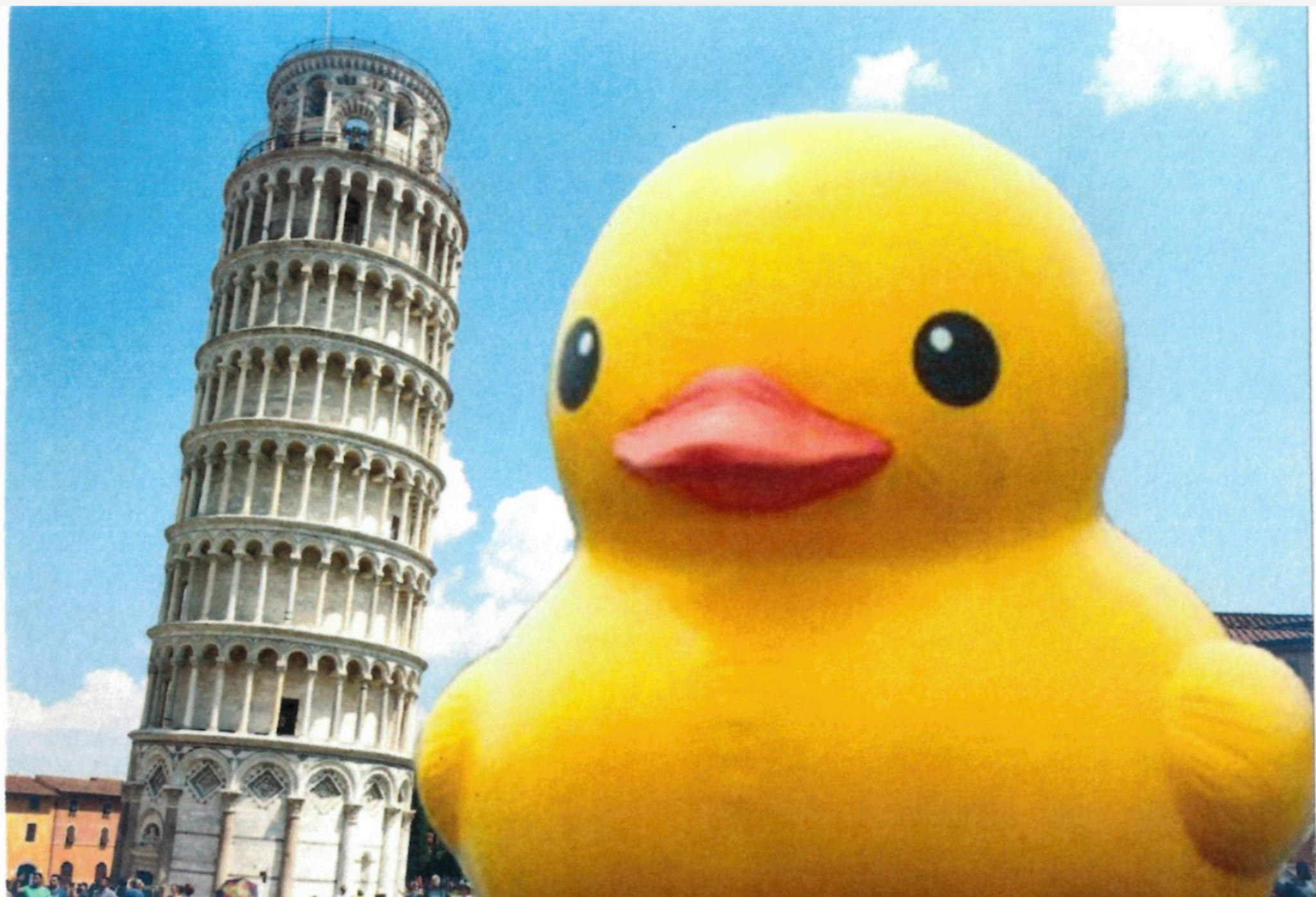


cs50.ai

CS50.ai

CS50's adaptation of **ChatGPT** for students and teachers **beta**
with support from **Microsoft** and **OpenAI**

 Log In



ddb

Quack. I am CS50's duck debugger (ddb), an experimental AI for [rubberducking](#). Quack quack. My replies might not always be accurate, so always think critically and let me know if you think that I've erred. Conversations are logged for debugging's sake. Quack quack quack.

Ask a question





Quack. I am CS50's duck debugger (ddb), an experimental AI for [rubberducking](#). Quack quack. My replies might not always be accurate, so always think critically and let me know if you think that I've erred. Conversations are logged for debugging's sake. Quack quack quack.

you

I'm not sure how to begin on the Hello problem. Can you help me?

ddb

Absolutely, I'd be happy to help you get started on the Hello problem!

The Hello problem is about writing a program that prompts a user for their name and then prints a greeting to that user. In C, you can use the `printf` function to print text to the console, and the `get_string` function from the CS50 library to get input from the user.

Here's a small pseudocode to help you get started:

1. Prompt the user for their name using `get_string`.
2. Store the user's input in a variable.
3. Use `printf` to print a greeting that includes the user's name.

Remember, the goal is to understand the problem and try to solve it yourself. Happy coding!



check50

hello.c — 5281090 [Codespac... x +

Search Google or type a URL

hello.c x style50

```
1 #include <cs50.h>
2 #include <stdio.h>
3
4 int main(void)
5 {
6     printf("Hello, world!");
7 }
8
```

TERMINAL

Uploading.....
Waiting for results.....
Results for cs50/problems/2023/x/hello generated by check50 v3.3.9
:) hello.c exists
:) hello.c compiles
:(responds to name Emma
 expected "Emma", not ""
:(responds to name Rodrigo
 expected "Rodrigo", not ""
To see the results in your browser go to <https://submit.cs50.io/check50/24e4327f15291198f6159f1f8763618e31d02d9f>
\$

:(responds to name Emma

Cause

expected "Emma", not ""

Log

```
running ./hello...  
sending input Emma...  
checking for output "Emma"...
```

Expected Output:

Emma

Actual Output:

:(responds to name Rodrigo

Cause

expected "Rodrigo", not ""

Log

```
running ./hello...  
sending input Rodrigo...  
checking for output "Rodrigo"...
```

Expected Output:

Rodrigo

Actual Output:

style50

hello.c x



style50



```
1 #include <cs50.h>
2 #include <stdio.h>
3
4 int main(void)
5 {
6     printf("Hello, world!");
7 }
8
```

TERMINAL

\$ █



hello.c style50 hello.c × Explain Changes Apply Changes

```
1 1 #include <cs50.h>
2 2 #include <stdio.h>
3 3
4 4 int main(void)
5 5 {
6 - printf("Hello, world!");
6+ printf("Hello, world!");
7 7 }
8 8
```

TERMINAL

\$ █

+ v [] [] ... ^ x

CS50 DUCK DEBUGGER



know if you think that I've erred. Conversations are logged for debugging's sake. Quack quack quack.

ddb

The change was made on line 6 of the file. Originally, the line of code was `printf("Hello, world!");` without any indentation. The change added four spaces before the `printf` statement, making it `printf("Hello, world!");`. This is a formatting change to improve the readability of the code by adding indentation.

Ask a question

style50 hello.c Explain Changes Apply Changes

```
1 1 #include <cs50.h>
2 2 #include <stdio.h>
3 3
4 4 int main(void)
5 5 {
6 - printf("Hello, world!");
6+ printf("Hello, world!");
7 7 }
8 8
```

TERMINAL



\$

submit50

hello.c x

style50 [] ...

```
1 #include <cs50.h>
2 #include <stdio.h>
3
4 int main(void)
5 {
6     string name = get_string("What's your name?");
7     printf("Hello, %s", name);
```

TERMINAL

+ v [] [] ... ^ x

```
$ submit50 cs50/problems/2023/x/hello
```

hello.c x

style50 □ ...

```
1 #include <cs50.h>
2 #include <stdio.h>
3
4 int main(void)
5 {
6     string name = get_string("What's your name?");
7     printf("Hello, %s", name);
```

TERMINAL

+ v □ 🗑️ ... ^ ✕

```
$ submit50 cs50/problems/2023/x/hello
```

```
Connecting.....
```

```
Authenticating...
```

```
Verifying....
```

```
Preparing.....
```

```
Files that will be submitted:
```

```
./hello.c
```

```
Files that won't be submitted:
```

```
./hello
```

```
Keeping in mind the course's policy on academic honesty, are you sure you want to submit these files (yes/no)? yes
```

```
Uploading.....
```

```
Go to https://submit.cs50.io/users/CarterZenke/cs50/problems/2023/x/hello to see your results.
```

```
$
```

me50 / users / CarterZenke / cs50 / problems / 2023 / x / hello

- My Submissions
- My Courses
- Docs
- Log Out

#1 submitted a few seconds ago, Sunday, November 5, 2023 3:51 PM EST
check50 • style50 • 0 comments
tar.gz • zip

submit.cs50.io

submit.cs50.io/courses/new

Create a new course

Create a new course

Invite link

Share this link with your students to invite them to the course.

<https://submit.cs50.io/invites/057417f8bdcd4d80bd8d1d91ed687>



Generate new link

Remove

Slugs

All submit50 slugs, or prefixes thereof, belonging to this course.

Remove



Course teachers

Teachers can view the submissions of all students in this course.

CarterZenke

Carter Zenke

Open teacher invites (expire after one use)

Slugs

All submit50 slugs, or prefixes thereof, belonging to this course.

Remove



Course teachers

Teachers can view the submissions of all students in this course.

Open teacher invites (expire after one use)



Delete this course

Slugs

All submit50 slugs, or prefixes thereof, belonging to this course.

Remove



Course teachers

Teachers can view the submissions of all students in this course.

Open teacher invites (expire after one use)



Delete this course

CS50's Tools

Carter Zenke