

This is CS50x

OpenCourseWare

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Problem Set 4

Collaboration on problem sets is not permitted except to the extent that you may ask classmates and others for help so long as that help does not reduce to another doing your work for you, per the course's policy on **academic honesty**.

The staff conducts random audits of submissions to CS50x. Students found to be in violation of this policy will be removed from the course. Students who have already completed CS50x, if found to be in violation, will have their CS50 Certificate permanently revoked.

GitHub now requires that you use SSH or a personal access token instead of a password to log in, but you can still use `check50` and `submit50`! See **cs50.ly/github** (<https://cs50.ly/github>) for instructions if you haven't already!

What to Do

Be sure you have completed **Lab 4** before beginning this problem set.

1. Submit one of:

- **this version of Filter** if feeling less comfortable
- **this version of Filter** if feeling more comfortable

2. Submit **Recover**

If you submit both versions of Filter, we'll record the higher of your two scores.

When to Do It

By Saturday, January 1, 2022, 10:29 AM GMT+5:30 🕒 (<https://time.cs50.io/2021-12-31T23:59:00-05:00>).

Advice

- Try out any of David's programs from **Week 4**.
- If you see any errors when compiling your code with `make`, focus first on fixing the very first error you see, scrolling up as needed. If unsure what it means, try asking `help50` for help. For instance, if trying to compile `hello`, and

```
make filter
```

is yielding errors, try running

```
help50 make filter
```

instead!