

Table of Contents

[tl;dr](#)

[Help](#)

[Reminders](#)

[Getting Started](#)

[What to Do](#)

[How to Submit](#)

[Step 1 of 2](#)

[Step 2 of 2](#)

Problem Set 3: Game of Fifteen

tl;dr

0. Watch [Week 3's lecture \(https://video.cs50.net/2016/fall/lectures/3\)](https://video.cs50.net/2016/fall/lectures/3).
1. Search and sort some numbers.
2. Implement the Game of Fifteen.
3. Submit your code.
4. Submit a form.

Help

For help with Week 3 and Problem Set 3:

- Watch Zamyła's walkthroughs [herein](#).
- Start a [discussion \(https://courses.edx.org/courses/course-v1:HarvardX+CS50+X/a7ec0c0a7b6e460f877da0734811c4cd/\)](https://courses.edx.org/courses/course-v1:HarvardX+CS50+X/a7ec0c0a7b6e460f877da0734811c4cd/) with classmates.

Reminders

- Use `help50` as needed.
 - Use `eprintf` as needed.
 - Use `debug50` as needed.
-

Getting Started

Alright, here we go again!

Log into cs50.io ([https://cs50.io/](https://cs50.io)) and execute

```
update50
```

within a terminal window to make sure your workspace is up-to-date.

Next, execute

```
mkdir ~/workspace/pset3/
```

at your prompt in order to make a directory called `pset3` in your `workspace` directory.

Now execute

```
cd ~/workspace/pset3/
```

and your prompt should resemble the below.

```
~/workspace/pset3/ $
```

What to Do

1. Implement either of:

- [Find \(../..../problems/find/less/find.html\)](#), less comfortable
- [Find \(../..../problems/find/more/find.html\)](#), more comfortable

2. Implement [Game of Fifteen \(../..../problems/fifteen/fifteen.html\)](#)

How to Submit

Be sure you've signed up for a [GitHub account \(https://github.com/join\)](https://github.com/join), per Problem Set 0, and that you've logged into and authorized [CS50.me \(https://cs50.me/\)](https://cs50.me/) at least once, per Problem Set 1!

Step 1 of 2

- Update your IDE:

```
update50
```

- Submit the less-comfortable version of `find` (if you implemented it):

```
cd ~/workspace/pset3/find/  
submit50 2017/x/find/less
```

- Submit the more-comfortable version of `find` (if you implemented it):

```
cd ~/workspace/pset3/find/  
submit50 2017/x/find/more
```

- Submit `fifteen`:

```
cd ~/workspace/pset3/fifteen/  
submit50 2017/x/fifteen
```

Step 2 of 2

Submit [this form \(https://forms.cs50.net/2017/x/psets/3\)](https://forms.cs50.net/2017/x/psets/3)!

This was Problem Set 3.