

# WOMEN WHO CODE DC PYTHON

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# WOMEN WHO CODE

Women Who Code (WWC) is a global non-profit dedicated to inspiring women to excel in technology careers. We work to support this generation in being and becoming leaders and role models in the tech industry.

- ★ We are the DC Chapter!
- ★ Support us! Volunteer or donate.
- ★ Visit our Meetup site: <https://www.meetup.com/Women-Who-Code-DC/>
- ★ Request to join our Slack chat website: <http://bit.ly/wwcdclack>
- ★ Python Beginners: 1st Wednesday of every other month
- ★ Python Lab: 3rd Wednesday of the month







# HELLO!

**I am Elvita Lobo**

Women Who Code DC Python - Volunteer Lead

Women Who Code DC Slack: @ElvitaLobo

<https://www.linkedin.com/in/elvitalobo/>

# HOUSEKEEPING

- Use Twitch chat for questions.
- In Colab:

- Use Run button to execute code snippet

```
▶ for i in (range(0, 9, 2)): # range(start,stop,step)  
    print(i)
```

- Use “+ Code” button to create your own code cell, copy, edit and run your version of the code snippet

```
▶ for i in (range(0, 9, 2)): # range(start,stop,step)  
    print(i)
```

```
[ ] for i in range(6):  
    print(1**2)
```

+ Code + Text



## GOALS FOR THIS LAB

- Learn one new thing about loops
- Go back to your codebase and find one thing you can fix (with search/replace) to make the code cleaner or more efficient

# A QUICK OVERVIEW



# WHAT ARE LOOPS?

What are loops?

- a programming structure that repeats a sequence of instructions until a specific condition is met.
- Great to reduce code size, readability, reduce errors
- Beware of:
  - Corner cases
  - Infinite loops
  - Cost



## THINGS TO CONSIDER BEFORE YOU WRITE A LOOP



# EXAMPLE TIME!

We will be working through the example  
posted in the Meetup and in chat

## RESOURCES <3

★ Our WWCodeDC Python Github:

<https://github.com/womenwhocodedc/python-community>

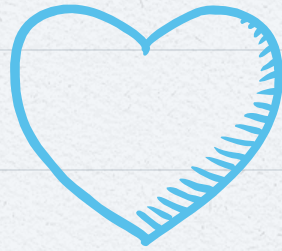
★ Inspiration for this lab:

- Transforming Code into Beautiful Idiomatic Python, Raymond Hettinger  
<https://www.youtube.com/watch?reload=9&v=anrOzOapJ2E>
- Mental Game of Python, Raymond Hettinger <https://www.youtube.com/watch?v=Uwuv05aZ6ug>

★ Slack: [Sign up!](https://womenwhocodedc.slack.com) [womenwhocodedc.slack.com](https://womenwhocodedc.slack.com)







# THANKS!

**Any questions?**

You can find me on Women Who Code DC Slack  
@ElvitaLobo

## CREDITS

Special thanks to all the people who made and released these awesome resources for free:

- ✕ Presentation template by SlidesCarnival
- ✕ Photographs by Unsplash

