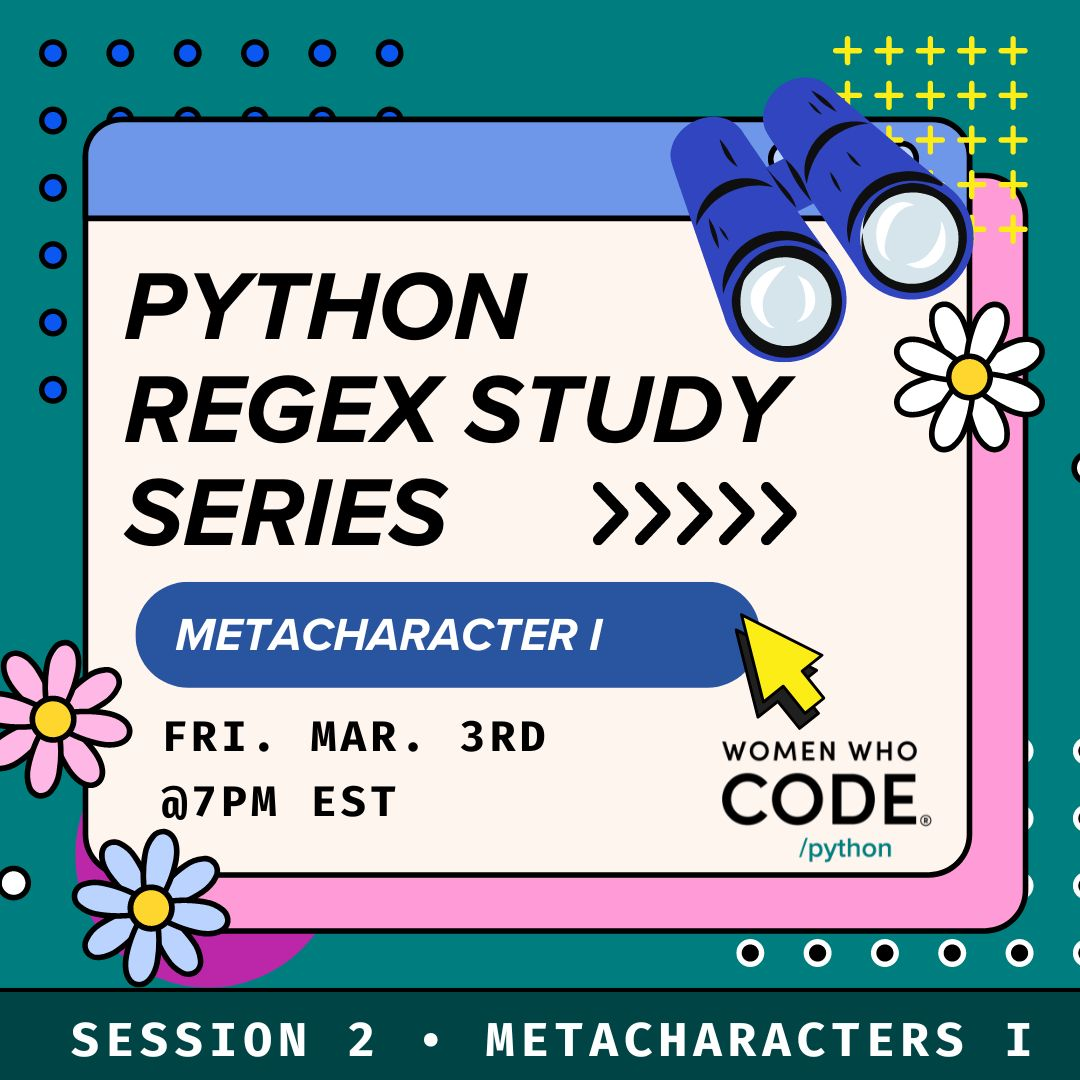


WELCOME!

We will get started shortly.

Please share in the Chat:

- Where you are joining from
- What the weather is like today

Reminder: Set your Chat to "Everyone".

WOMEN WHO CODE /python

Our Mission

Empower diverse women to excel in technology careers

WOMEN WHO CODE /python

Our Vision

A tech industry where diverse women and historically excluded people thrive at every level.

WOMEN WHO CODE /python

CODE OF CONDUCT

WWCode is an inclusive community, dedicated to providing an empowering experience for everyone who participates in or supports our community, regardless of gender, gender identity and expression, sexual orientation, ability, physical appearance, body size, race, ethnicity, age, religion, socioeconomic status, caste, creed, political affiliation, or preferred programming language(s).

Our events are intended to inspire women to excel in technology careers, and anyone who is there for this purpose is welcome. We do not tolerate harassment of members in any form. Our **Code of Conduct** applies to all WWCode events and online communities.

Read the full version and access our incident report form at
womenwhocode.com/codeofconduct

WOMEN WHO CODE /python

/upcoming events

Learn more and register at
womenwhocode.com/python

SAT 04 MAR	**Beginner Python Study Group – Session 1** *Featured, Recurring* Online | Python | 8:00 AM – 9:30 AM PST (UTC–0800) Organized By: WWCode Python	Register
SAT 04 MAR	**Python Crash Course with WWCode Python Book Club – Session 2** *Featured, Recurring* Online | Python | 8:00 PM PST (UTC–0800) Organized By: WWCode Python	Register
TUE 07 MAR	**Building Python Projects for a Resume Booster – Workshop Series (Web Development)** *Featured, Recurring* Online | Python | 4:00 PM – 5:30 PM PST (UTC–0800) Organized By: WWCode Front End | WWCode Python	Register
WED 08 MAR	**Python Trivia! – Interactive Slack Event (#live_events channel)** *Featured* Online | Python | 8:00 AM – 9:00 AM PST (UTC–0800) Organized By: WWCode Python	Register
FRI 10 MAR	**Bytes n' Brew – How To Ace Your Interviews** *Featured* Online | Python | 7:00 PM – 8:00 PM PST (UTC–0800) Organized By: WWCode Blockchain | WWCode Data Science | WWCode Python	Register
SAT 11 MAR	**Member Meet & Greet! – Women Who Code Python** *Featured, Recurring* Online | Python | 8:00 AM – 9:30 AM PST (UTC–0800) Organized By: WWCode Python	Register

WOMEN WHO CODE /python

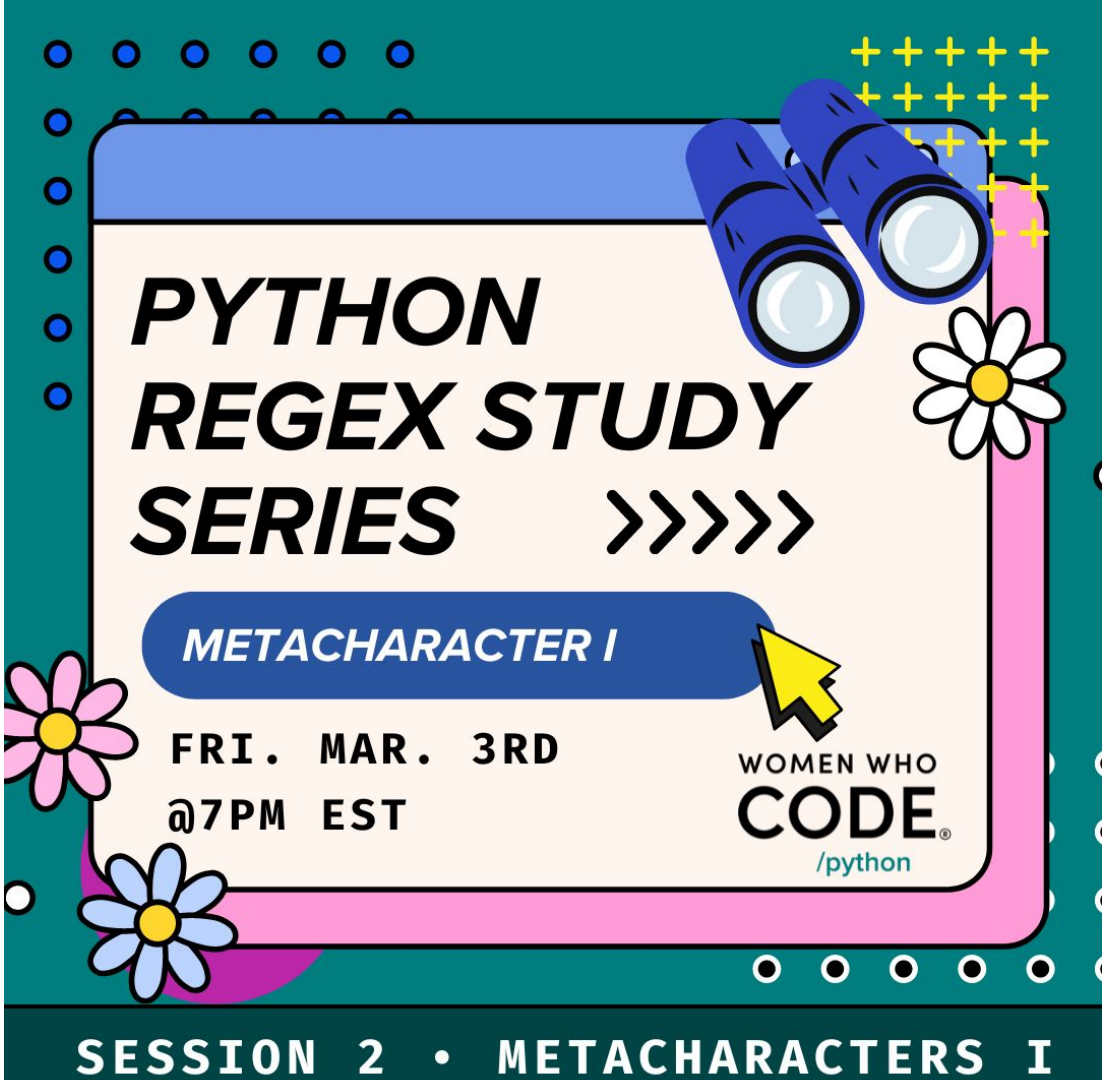
/stay connected

Join Women Who Code Python on Slack

Find us on LinkedIn, Twitter, Instagram & Facebook: **@WWCodePython**

Find links to join our community and follow us: **beacons.ai/WWCodePython**

WOMEN WHO CODE /python



WOMEN WHO
CODE
/python

MEET THE TEAM

Karen Wong
Senior Programmer
R&D Company

Mansi Jain
MS in DS
Indiana University

Katerina Hanson
Eng Manager
Kojo

Our Speaker

Speaker name here

A short speaker bio goes here.

Add a headshot of the speaker on the right.

Regular Expressions

Quick Review

Literals

Pattern	What the computer does	Examples
cookie	Start scanning from the beginning of the line, find the pattern where c follows immediately with o, o, k, i, e until the end of line	✅chocolate chip cookie ❌shortbread ookie
^coo	The pattern of coo literally is found at the beginning of the line	✅cookie bars ❌chocolate chip cookie
cookie$	The pattern of cookie matches literally at the end of line	✅chocolate chip cookie ❌cookie bars

Anchors

Pattern	What the computer does	Examples
^coo	The pattern of coo literally is found at the beginning of the line	✅cookie bars ❌chocolate chip cookie
cookie$	The pattern of cookie matches literally at the end of line	✅chocolate chip cookie ❌cookie bars
\bfoo \bfoo\b	\b Word Boundary	✅foot ✅foo ❌foot

New

Special Literals

Pattern	What the computer Matches	Example Pattern	Example Matches
\t \r \n	Tab Carriage Return New Line	\tsnickerdoodle windowsmultiline\r multiline\n	✅ snickerdoodle ✅ windowsmultiline\r\n ✅ multiline\n
\uFFFF	Unicode (F's replaced with Unicode)	\u2764	✅❤
\d \s \w	Matches a digit (0-9) Matches a whitespace Character Matches a "word char", (a-z, A-Z, 0-9) or underscore	user_\d two\schips \w\w\w	✅ user_3 ✅ two chips ✅ t_9

Negating

Pattern	What the computer Matches	Example Pattern	Example Matches
^	Excludes the following char	^bad	✅sad ✅mad ✅dad ❌bad
?	Makes the previous character optional	ana?esthesia	✅anesthesia ✅anaesthesia

Wildcard

Pattern	What the computer Matches	Example Pattern	Example Matches
.	Dot matches almost any character (not \n, unless you have single-line mode) Use sparingly!!	gr.y	✅grey ✅gray ✅gr8y ✅gr-y ✅gr[y ❌groovy
[ae] a|e	Single char in the set either / or	gr[ae]y gr(a|e)y	✅grey ✅gray ❌gr8y ❌gr-y

Repetition

Pattern	What the computer Matches	Example Pattern	Example Matches
*	Matches any number of previous char	co*kie	✅cookie ✅cooooookie ✅ckie
+	Matches one or more of the previous char	co+kie	✅cookie ✅cooooookie ❌ckie
{n} {n, m} {n,}	Matches n times exactly Matches n to m times Matches n to infinite times	bal{2}o{2}n \d{3, 7}	✅balloon ✅786 ✅1112222 ❌999999999

Example

Let's say we want to validate a phone number!

Requirements to match:

1235556789	^\d{10}$
444-555-8789	^\d{3}\d{3}\d{4}$ ^\d{3}\-?\d{3}\-?\d{4}$
123.456.8890	^\d{3}[\-\.]?\d{3}[\-\.]?\d{4}$
+1 123-555-6789	^(\+\d+\s)?\d{3}[\-\.]?\d{3}[\-\.]?\d{4}$

Python

```
import re

potential_phone_number = '+1 123-555-6789'
pattern = r"^(\+\d+\s)?\d{3}[\-\.]?\d{3}[\-\.]?\d{4}$"
compiled_pattern = re.compile(pattern)
match = re.match(compiled_pattern, potential_phone_number)

if match:
    print(match)

>> <re.Match object; span=(0, 15), match='+1 123-555-6789'>
```

Q&A

WOMEN WHO CODE® /python

SECTION

Heading

Body

Heading

Body

Heading

Body