



# ***PYTHON REGEX STUDY SERIES*** >>>>

***METACHARACTER I***

**THURS. MAR. 16TH  
@7PM EST**



WOMEN WHO  
**CODE**<sup>®</sup>  
/python

**SESSION 3 • METACHARACTERS II**

# ***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**<sup>®</sup>  
/python

# *Our Mission*

Empower diverse  
women to excel in  
technology careers



# *Our Vision*

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



# 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](https://womenwhocode.com/codeofconduct)**



# /upcoming events

Learn more and register at  
[womenwhocode.com/python](https://womenwhocode.com/python)

MON  
20  
MAR

## Python for Data Engineer Interviewing Series (SQL – Intermediate) *Recurring*

♥ Online | Python | 5:00 PM – 6:30 PM PDT (UTC-0700)

Organized By: WWCode Python | WWCode Data Science

Register

THU  
23  
MAR

## Natural Language Processing with Python *Recurring*

♥ Online | Data Science | 6:30 AM – 7:30 AM PDT (UTC-0700)

Organized By: WWCode Data Science | WWCode Python

Register

FRI  
24  
MAR

## Python Crash Course with WWCode Python Book Club – Session 1 *Recurring*

♥ Online | Python | 4:30 PM – 5:30 PM PDT (UTC-0700)

Organized By: WWCode Python

Register

SAT  
25  
MAR

## Beginner Python Study Group – Programming Logic *Recurring*

♥ Online | Python | 8:00 AM – 9:30 AM PDT (UTC-0700)

Organized By: WWCode Python

Register

SAT  
25  
MAR

## Python Crash Course with WWCode Python Book Club – Session 2 *Recurring*

♥ Online | Python | 8:00 PM PDT (UTC-0700)

Organized By: WWCode Python

Register

# */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`**



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*/python*

# MEET THE TEAM



**Karen Wong**  
Senior Programmer  
R&D Company



**Mansi Jain**  
MS in DS  
Indiana University



**Katerina Hanson**  
Eng Manager  
Kojo



# *Regular Expressions*

# Previously...

Pattern Types	Patterns Example
Literal	N/A
Anchors	<code>^ \$ \b</code>
Special Literals	<code>\t \r \n</code>






# Previously... (cont'd)

Pattern Types	Patterns Example
Negating	<code>^ ?</code>
WildCard	<code>. [ ]  </code>
Repetition	<code>* + {n, m}</code>

# Grouping

Pattern	What the computer Matches	Example Pattern	Example Matches
( )	Captures submatch information	(cookie) (cake)	<input checked="" type="checkbox"/> chocolate chip cookie <input checked="" type="checkbox"/> strawberry shortcake

# Backreference

Pattern	What the computer Matches	Example Pattern	Example Matches
<code>\N</code>	Reuse previous capturing group to match characters	<code>(flour)\s\1\b</code>	 gluten free flour  gluten free flour flour
<code>\k</code>	Reuse specific capturing group to match characters	<code>(?&lt;y&gt;salt)(?&lt;x&gt;flour)\s\k&lt;x&gt;</code>	 gluten free flour flour  pink salt  gluten free flour



# Q&A



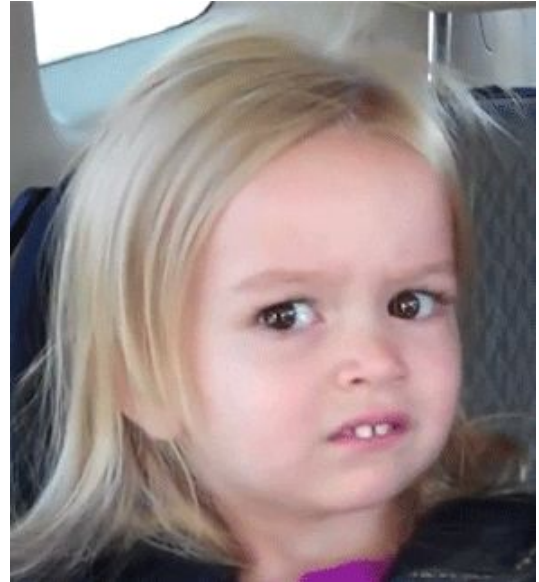
## *Example - Ultimate Cookie Recipe*

# ***Cookies for party or solely?***

You have created the best chocolate chip cookie recipe and you have asked make the cookies for multiple occasions with different number of people...

Who's excited to do the math?

[The Ultimate Chocolate Chip Cookie Recipe](#)



[http://www.github.com/nuageklow/WWCodePy\\_regex](http://www.github.com/nuageklow/WWCodePy_regex)