

# *Having Fun with* **Regex**

By: Harsh Bothra



Ex's are  
everywhere  
aren't they!



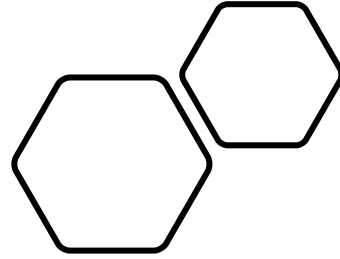
# Boring Part – Who Am I ?

**The same guy who bored you last time. For new guys:**

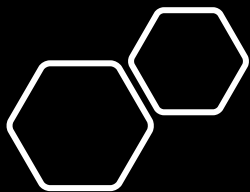
- Cyber Security Analyst at @Detox Technologies
- Synack Red Teamer
- Bugcrowd Top 150 & MVP Q1 Q2
- Lazy Bug Bounty Hunter
- Speaker at various Conferences & Chapters
- Author of Multiple Hacking Books
- Poet | Writer | Learner



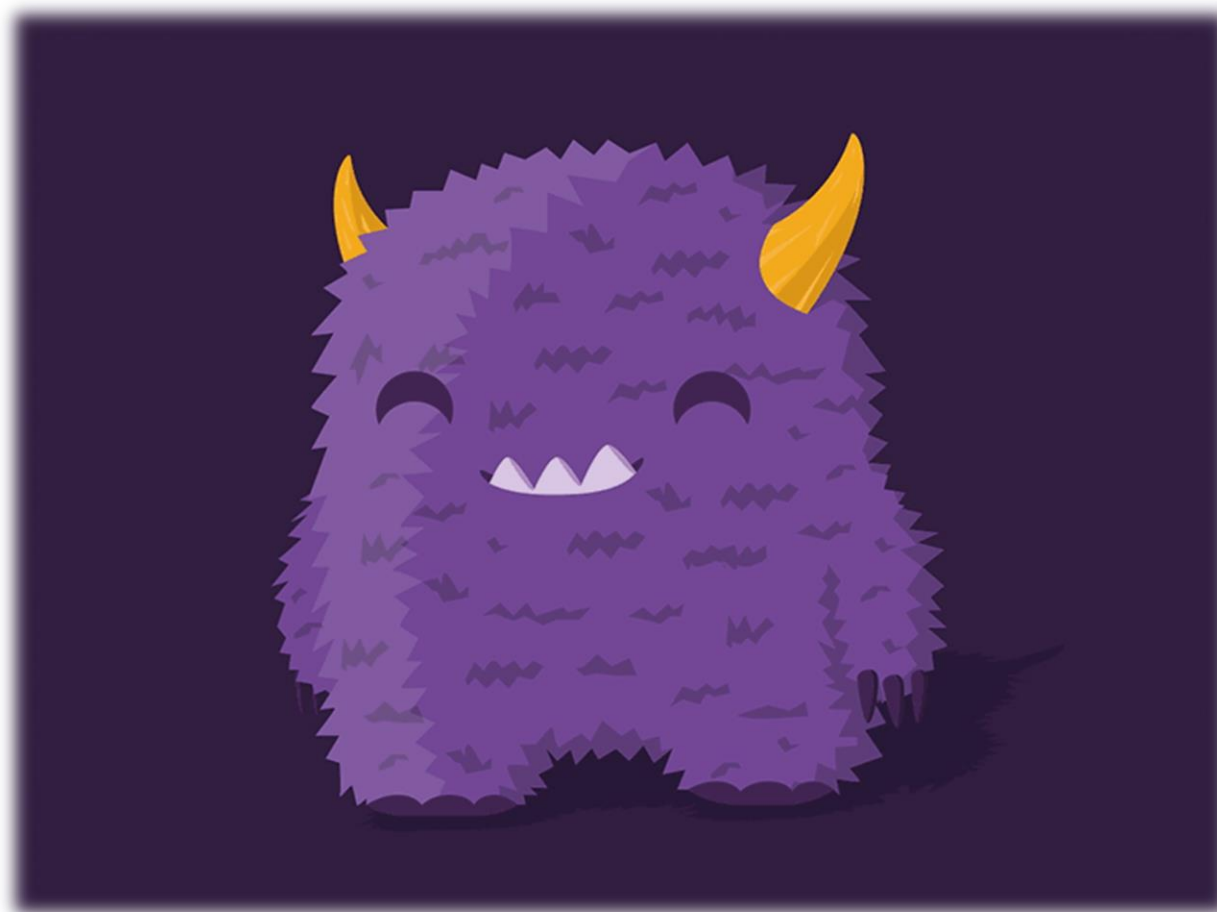
# Agenda

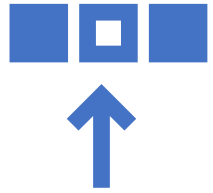


- Revealing the Face of Monster – Regex
- Regex for Cyber Security
- Basic Regex Directives
- Playing around Regex
- ReDoS Attacks
- Finding out Regex in Pentesting Engagements
- Q/As



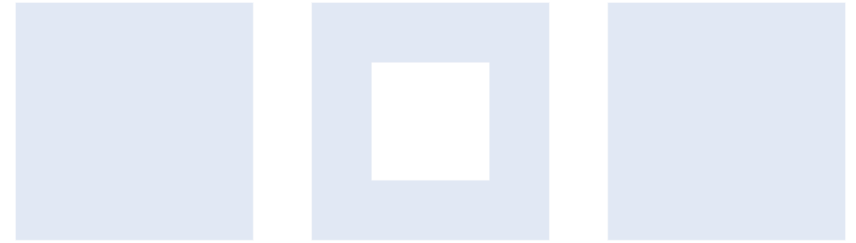
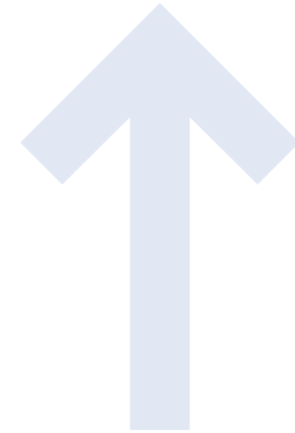
# Revealing the Face of Monster **Regex**





REGEX DIRECTIVES

[ ] { } ( )





# Directives (1)

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Alphabets : a-z A-Z

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Digits : 0-9

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\d : any digit from 0-9

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\D : any Non-digit character

---

. (DOT) : wildcard – match any character

---

\. : to match . (dot) itself

---

- (hyphen) : Range

---

Match specific characters: [characters to match]

# Directives (2)

Exclusions: `[^chars_to_exclude]`

Repetition: `char{m,n}`

Kleene Star : `*` (Zero or More Repetition)

Kleene Plus : `+` (One or More Repetition)

Optional Characters: `?`

`\?` : match `?` itself

White Spaces: `\s`

Non-White Spaces: `\S`





## Directives (3)

---

Starting : ^

---

Ending : \$

---

Grouping: ()

---

Nested Grouping: (group1(group2))

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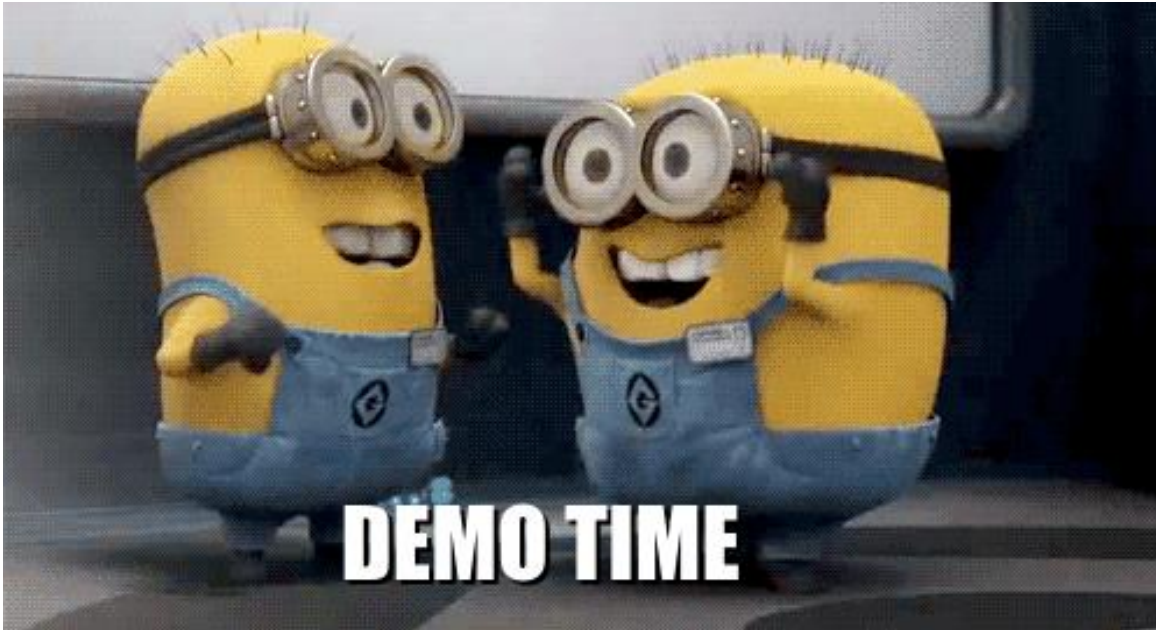
Conditionals: (a | b)

---

Case Insensitive: \i

---

Global Search: \g



Let's See things  
in **Action**



<https://regexone.com/>

<https://regexr.com/>

<https://regex101.com/>



# ReDoS Attacks & Regex in Pentesting



Q/A are  
welcomed !



# Get in Touch at

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# THANKS

