# CYBR 3130 Fall 2022 Lab6

Write a regular expression in each of the following problems.

1. Write a regex for a time string like, "13:00:25". (Note this 24 hour military time).

[01][0-9] | 2[0-4] : [0-5][0-9] : [0-5][0-9]

1. Write a regex for US Zip Code including the optional 4 digit segment. Examples include 75007-1234 and 98161

/d{5} (-/d{4})

1. Washington State Driver's license is formatted to start with 1-7 alphabetic (capitalized) characters followed by 5 characters which can be capital letters, numbers or "\*". Create a regex to validate a Washington Driver's license.

[A-Z]

Write a string which matches each of the following regular expressions.

1. .+\.(com)
2. a{2,4}b{0,4}c{1,2}

aaabbbc aac aabbbbc

1. ^#?([0-9a-fA-F]{3}|[0-9a-fA-F]{6})$

#123456 #123

1. [a-z][+\*]\s+[A-Z]\.

B+ D.

1. (https?:)\/\/[a-z]+\.[a-z]+\.com

https://bb.gg.com

Write regular expression in Python or Java to create whitelist for the following problems. You need to provide the regular expression, a positive test case and a negative test case.

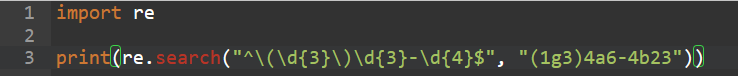
1. US Phone Number (xxx) xxx-xxxx

/(/d{3}/)/d{3}-/d{4}

A screenshot of a computer

Description automatically generated with medium confidence



Text

Description automatically generated

1. US Social Security xxx-xx-xxx

/d{3}-/d{2}-/d{4}

Text

Description automatically generated







1. An odd number

/d\*[13579]









1. Email address [xxxx@xxx.(com|org|edu|net)](mailto:xxxx@xxx.(com|org|edu|net))

[/w+@/w+/.(com|org|edu|net)](mailto:/w+@/w+/.(com|org|edu|net))









1. A string
   1. contains “a” and “b” only
   2. starts and ends with “a”

a[ab]\*a









1. US Zip Code. Such as 75007-1234 64082

/d{5}(-/d{4})







