Task

On

NLP

**Course**: Artificial Intelligence

(Machine Learning & Deep Learning)

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# Regular Expressions

[35]:

text="My phone number is 111-222-4444 call me soon! "

[36]:

1. : 'My phone number is 111-222-4444 call me soon! ' [37]:
2. : True

[38]:

1. : <re.Match object; span=(3, 8), match='phone'>

[39]:

[39]: (3, 8)

[40]:

[41]:

<re.Match object; span=(3, 8), match='phone'> [41]: (3, 8)

[42]:

['phone', 'phone']

[43]:

[43]: 2

[44]:

[45]:

phone phone

[46]:

[47]:

[47]: <re.Match object; span=(19, 31), match='333-888-3333'>

[48]:

[48]: '333-888-3333'

[49]:

[50]:

[50]: '3333'

[51]:

[51]: <re.Match object; span=(5, 8), match='man'>

[61]:

[61]: ['man']

[63]:

[63]: ['3']

[54]:

[54]: <re.Match object; span=(0, 1), match='8'>

[64]:

There are 3 numbers 34 inside 5 this sentence 56

[66]:

[66]: ['There are ', ' numbers ', ' inside ', ' this sentence '] [57]:

1. : ['This is a string', ' but it has punctuation', ' How to remove it', ' '] [58]:
2. : 'This is a string but it has punctuation How to remove it '

sentence = “He’s fast. The boy ran up the hill,he can’t come back down!”

[ ]:

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[ ]:

patternwanted = ['nlp course', 'advanced']

string = 'The best nlp course for beginners, with awesome practical projects'

**for** pattern **in** patternwanted:

print ('Looking for "**%s**" in "**%s**" :**\n**' % (pattern, string), end=' ')

**if** re.search(pattern, string): print('yayy search successful!!:**\n** ')

**else**:

print('oh no :( we did not find anything')

[ ]:

contact\_details = "Duke Richards 123-1233 [duke@dukeemail.com](mailto:duke@dukeemail.com) Joe Denver 2020/

*‹→*JAN/05 [joe@mrdenvergmail.com](mailto:joe@mrdenvergmail.com) 2020/Dec/24 [my\_name77@hotmail.com](mailto:my_name77@hotmail.com) John Black␣

*‹→*+4478564000"

emailinfo = re.findall(r'[\w\.-]+@[\w\.-]+', contact\_details)

**for** email **in** emailinfo: print(email)

# NLP\_Spacy

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