**Named Entity Recognition: Your Responses to Questions**

Your Name: Brandon Eastwell

Your PRID: EASTW66305

Your Registration Number: 2104672

**Task 1**

doc = nlp( "The population of london is 9 million" )  
for ent in doc.ents:  
 print(ent.text, ent.start\_char, ent.end\_char, ent.label\_)

london 18 24 GPE

9 million 28 37 CARDINAL  
  
doc = nlp( "The estimated percentage of people who have had covid in england is 81.7%" )  
for ent in doc.ents:  
 print(ent.text, ent.start\_char, ent.end\_char, ent.label\_)

england 57 64 GPE

81.7% 68 73 PERCENT

doc = nlp( "British citizens typically live in England" )  
for ent in doc.ents:  
 print(ent.text, ent.start\_char, ent.end\_char, ent.label\_)

British 0 7 NORP

England 35 42 GPE  
  
doc = nlp( "Britain is in the UK" )  
for ent in doc.ents:  
 print(ent.text, ent.start\_char, ent.end\_char, ent.label\_)

Britain 0 7 GPE

UK 18 20 GPE

**Task 2**

doc = nlp( "Who played scarlet witch in Marvel" )  
for ent in doc.ents:  
 print(ent.text, ent.start\_char, ent.end\_char, ent.label\_)

Incorrect. Marvel is an ORG not a GPE

doc = nlp("Which comic book series features Scarlet Witch as a main character")

for ent in doc.ents:

print(ent.text, ent.start\_char, ent.end\_char, ent.label\_)

Scarlet Witch 33 46 ORG

Incorrect. Scarlet Witch is a PER not an ORG

doc = nlp("Which superhero teams has Scarlet Witch been a member of")

for ent in doc.ents:

print(ent.text, ent.start\_char, ent.end\_char, ent.label\_)

Scarlet Witch 26 39 ORG

Incorrect. Scarlet Witch is a PER not an ORG

doc = nlp("Who are Scarlet Witch's parents in Marvel Comics")

for ent in doc.ents:

print(ent.text, ent.start\_char, ent.end\_char, ent.label\_)

Scarlet Witch's 8 23 ORG

Incorrect. Scarlet Witch is a PER not an ORG

doc = nlp("Who are Scarlet Witch's parents in Marvel Comics")

for ent in doc.ents:

print(ent.text, ent.start\_char, ent.end\_char, ent.label\_)

Marvel Comics 35 48 ORG

Incorrect. Marvel Comics is a PRODUCT not an ORG

doc = nlp("Where is Scarlet Witch's hometown in Marvel Comics?")

for ent in doc.ents:

print(ent.text, ent.start\_char, ent.end\_char, ent.label\_)

Scarlet Witch's 9 24 ORG

Incorrect. Scarlet Witch is a PER not an ORG

doc = nlp("Where is Scarlet Witch's hometown in Marvel Comics?")

for ent in doc.ents:

print(ent.text, ent.start\_char, ent.end\_char, ent.label\_)

Marvel Comics 37 50 ORG

Incorrect. Marvel Comics is a PRODUCT not an ORG

doc = nlp("What year was Marvel Entertainment founded in the United States?")

for ent in doc.ents:

print(ent.text, ent.start\_char, ent.end\_char, ent.label\_)

year 5 9 DATE

Correct.

doc = nlp("What year was Marvel Entertainment founded in the United States?")

for ent in doc.ents:

print(ent.text, ent.start\_char, ent.end\_char, ent.label\_)

Marvel Entertainment 14 34 ORG

Correct.

doc = nlp("What year was Marvel Entertainment founded in the United States?")

for ent in doc.ents:

print(ent.text, ent.start\_char, ent.end\_char, ent.label\_)

the United States 46 63 GPE

Correct.

doc = nlp("In which area is the headquarters of Marvel Entertainment located in the United States?")

for ent in doc.ents:

print(ent.text, ent.start\_char, ent.end\_char, ent.label\_)

Marvel Entertainment 37 57 ORG

Correct.

doc = nlp("In which area is the headquarters of Marvel Entertainment located in the United States?")

for ent in doc.ents:

print(ent.text, ent.start\_char, ent.end\_char, ent.label\_)

the United States 69 86 GPE

Correct.

doc = nlp("In which comic book storyline did Scarlet Witch and Dark Phoenix encounter each other?")

for ent in doc.ents:

print(ent.text, ent.start\_char, ent.end\_char, ent.label\_)

Scarlet Witch 34 47 ORG

Incorrect. Scarlet Witch is a PER not an ORG

doc = nlp("What are Dark Phoenix's powers in Marvel Comics?")

for ent in doc.ents:

print(ent.text, ent.start\_char, ent.end\_char, ent.label\_)

Dark Phoenix's 9 23 PERSON

Correct.

doc = nlp("What are Dark Phoenix's powers in Marvel Comics?")

for ent in doc.ents:

print(ent.text, ent.start\_char, ent.end\_char, ent.label\_)

Marvel Comics 34 47 ORG

Incorrect. Marvel Comics is a PRODUCT not an ORG

doc = nlp("Which Marvel event prominently features Scarlet Witch?")

for ent in doc.ents:

print(ent.text, ent.start\_char, ent.end\_char, ent.label\_)

Scarlet Witch 40 53 ORG

Incorrect. Scarlet Witch is a PER not an ORG

**Task 3**

"original\_query":"What rewards and accolades has marvel received?"

"answer\_type":"other"

doc = nlp( "Of the various science fiction awards, the Saturn Awards is the most frequent award for the Marvel Cinematic Universe; in 13 years, MCU films have been nominated for 159 Saturn Awards (winning 39): 8 nominations for Iron Man (winning three)")  
for ent in doc.ents:  
 print(ent.text, ent.start\_char, ent.end\_char, ent.label\_)

the Saturn Awards 39 56 LOC

13 years 122 130 DATE

MCU 132 135 ORG

159 166 169 CARDINAL

Saturn Awards 170 183 PRODUCT

39 193 195 DATE

8 198 199 CARDINAL

Iron Man 216 224 PERSON

three 234 239 CARDINAL

Note: Incorrect. Saturn Awards is an event not a product

"original\_query":"Who are the top actors that portrayed marvel characters in film?"

"answer\_type":"person"

doc = nlp( "From 2014 to 2019, Brolin portrayed Thanos in the Marvel Cinematic Universe")  
for ent in doc.ents:  
 print(ent.text, ent.start\_char, ent.end\_char, ent.label\_)

2014 to 2019 5 17 DATE

Brolin 19 25 PERSON

Thanos 36 42 ORG

Note: Incorrect. Thanos is a PERSON not a ORG

"original\_query": "Are there any unreleased marvel films?"

"answer\_type":"date"

doc = nlp("Director Mark Steven Johnson showed interest in returning to direct with the Born Again storyline, as well as suggesting Mr. Fear as a possible villain. During 2004, Ben Affleck shot a cameo role for the spin-off film, Elektra, at the request of Daredevil co-star Jennifer Garner.")  
for ent in doc.ents:  
 print(ent.text, ent.start\_char, ent.end\_char, ent.label\_)

Mark Steven Johnson 9 28 PERSON

Fear 125 129 PERSON

2004 160 164 DATE

Ben Affleck 166 177 PERSON

Elektra 219 226 PRODUCT

Jennifer Garner 264 279 PERSON

Note: Incorrect. Elektra is a PERSON not a PRODUCT

"original\_query":"Why did scarlet witch cause M-Day?"

"answer\_type":"reason"

doc = nlp("Wanda was seen again in the limited series House of M, creating an alternate version of Earth. When Earth's heroes defeat her, she causes \"M-Day\"")  
for ent in doc.ents:  
 print(ent.text, ent.start\_char, ent.end\_char, ent.label\_)

Wanda 0 5 GPE

House of M 43 53 ORG

Earth 88 93 LOC

Earth 100 105 LOC

Note: Incorrect. Wanda is a PERSON not a GPE and House of M is a PRODUCT not a ORG.

**Upload Your Answer File**

Save this file with your answers in it. Keep the filename the same. Go the Moodle page under Week 23, and upload the .docx file where it says ASSIGNMENT Lab 4 Upload. The deadline is shown under Assessment Information on Moodle.