import re

def extract\_entities(text):

entities = []

date\_pattern = r'\d{1,2}/\d{1,2}/\d{2,4}'

number\_pattern = r'\d+'

name\_pattern = r'[A-Z][a-z]+'

dates = re.findall(date\_pattern, text)

entities.extend([('DATE', date) for date in dates])

numbers = re.findall(number\_pattern, text)

entities.extend([('NUMBER', number) for number in numbers])

names = re.findall(name\_pattern, text)

entities.extend([('NAME', name) for name in names])

return entities

if \_\_name\_\_ == "\_\_main\_\_":

text = "On 01/12/2024, John received 500 dollars from Mary."

entities = extract\_entities(text)

if entities:

print("Entities found:")

for entity\_type, entity\_value in entities:

print(f"{entity\_type}: {entity\_value}")

else:

print("No entities found.")