Variater Name	Not ID.
Your info: Name:	Net ID:
Your partner's info: Name:	Net ID:
We will learn about using APIs on the following platforr	n for today's activity: go.illinois.edu/102api
Login using the following username: {{Username}}	Your password is: {{Password}}
You will login online using the username above. You Use the system as a tutorial, and fill out the worksheet w	
Q1a: Go through the pages explaining Example 1. The	
restaurant ratings for Urbana. What is the 6th restauran	
Timpone's HINT: (students should s	set count to 6, location to 'urbana')
Q1b: Go through the pages explaining Example 1 . The city aside from Champaign or Urbana? Discuss with you	• • • • • • • • • • • • • • • • • • • •
Error 404 (Not Found): {'detail': 'No restaurant data for	location: [city]}
HINT: (other cities are not in API, s	so we expect a Not Found error)
Q1c: After completing Example 1, go to the following U	RI ·
https://one02-api-fastapi.onrender.com/api/restaurants?	
What do you see? Discuss what might be different meth	nods of sending a request to a URL with your partner.
See a json with an index 0 array listing the name and co	uisine of 6 places in urbana.
HINT: This is the same as Q1a - in	stead of sending a request through Python, we send
the same request from our browse	
Q2: Move to Example 2 and go through the pages expl as opposed to a GET request. Discuss with your partne different.	
Explain GET vs POST requests - e.g. GET requests ret	rieve data, POST requests submit/change data
Q3: Complete Exercise 1. Were you able to guess the	number correctly? Did you face any challenges?
Open ended question - in the activity, they should have	e copied and pasted the code from Example 2 (POST
request), and change the body object to have a "guess"	number and a "netid" string.

Q4: Look at the following URL:	
https://www.amazon.com/s?k= <u>lego+sets</u> &i= <u>toys-and-games</u> &rh=n%	
3A165793011%2Cp_36% <u>3A1500-12000</u> %2Cp_n_feature_six_browse-bi	
n%3A23980129011&s= <u>price-asc-rank</u> &dc&qid=1744125975	
-	
Discuss what these URL could be searching for and what the parameters could mean with your partner. Write down your guess below. If you want to visit the site, you can use the short URL: go.illinois.edu/102amazon	
The URL searches Amazon for lego sets in category "Toys and Games" - the price range is 15 USD to 120	
USD , and the prices are sorted ascending	
Q5: Think of one task that would require you to interact with an API. You can look at the examples in the	
tutorial for inspiration, but try to write down something different.	
Open ended question	
Q6: Discuss with your partner: are APIs similar to web scraping? Can you think of one task that can be	
achieved with both web scraping and APIs?	
a)	
Open ended question- example: collecting exchange rates, product information, weather, etc	
b) For that task, are there any advantages to using one approach over the other?	
by the trial tack, are there any advantages to asing one approach ever the earth.	
Open ended question - example: API is paid, web scraping is free / API is easier since it has a	
structure, web scraping might change	

When you're done, check out with a TA or CA, and hand over this completed worksheet. Bye!