REST, JSON, and APIs
TOTAL POINTS 10
1.Question 1 Who is credited with the REST approach to web services?
 Daphne Koller Leonard Klienrock Roy Fielding Bjarne Stroustrup Vint Cerf
1 point
2.Question 2 What Python library do you have to import to parse and handle JSON?
 BeautifulSoup import re import json ElementTree
1 point
3.Question 3 Which of the following is a web services approach used by the Twitter API?
CORBA REST XML-RPC SOAP
1 point
4.Question 4

What kind of variable will you get in Python when the following JSON is

parsed:

```
{ "id" : "001",
 "x" : "2",
 "name" : "Chuck"
}
```

- A list of tuples
- ^O A list with six items
- A tuple with three items
- A dictionary with three key / value pairs
- A list with three items

1 point

5. Question 5

Which of the following is *not* true about the service-oriented approach?

- An application makes use of the services provided by other applications
- [©] Standards are developed where many pairs of applications must work together
- An application runs together all in one place
- Web services and APIs are used to transfer data between applications

1 point

6.Question 6

Which of these two web service approaches is preferred in most modern service-oriented applications?

- REST Representational state transfer
- SOAP Simple Object Access Protocol

1 point

7. Question 7

What library call do you make to append properly encoded parameters to the end of a URL like the following:

http://maps.googleapis.com/maps/api/geocode/json?sensor=false&address=Ann+Arbor%

2C+MI
 urllib.parse.urlencode() re.match() re.encode() urllib.urlcat()
1 point
8.Question 8 What happens when you exceed the Google geocoding API rate limit?
 The API starts to perform very slowly Your application starts to perform very slowly You canot use the API until you respond to an email that contains a survey question You cannot use the API for 24 hours
1 point
9.Question 9 What protocol does Twitter use to protect its API?
 WS*Security SOAP OAuth PKI-HMAC Java Web Tokens SHA1-MD5
1 point
10.Question 10 What header does Twitter use to tell you how many more API requests you can make before you will be rate limited?
x-max-requestsx-rate-limit-remaining

- content-typex-request-count-down

1 point