Teclado

Python self-assessment

Creating REST APIs with Flask and Python

Hey, welcome to one of the best resources online on creating REST APIs with Flask and Python! I hope you will enjoy the course!

To get started in the best way possible, I've prepared a small exercise to gauge your current knowledge of Python and software development. Completing it will give you a good idea of where you are, and where you should start with the course.

Read the following questions until you find one that does not apply to you. If you do, go to the end of the table to check your suggested next steps.

1	You know the difference between a list, a set, and a tuple.
2	You know what loops are, and the two different type of loop in Python.
3	You know what a list comprehension is, and how to write them.
4	You know about object-oriented programming and writing classes in Python.
5	You know about inheritance in object-oriented programming, and how to program it in Python.
6	You know about positional and named arguments in Python, and using `*args` and `**kwargs`.
7	You know about passing functions as function arguments, and lambda functions in Python.
8	You know about decorators in Python, and how to write decorators that both have and don't have arguments.
9	You know about HTTP verbs and status codes.
10	You know about the principles of the REST architecture for web services.
11	You know about different types of languages involved in web development, such as client languages (e.g. JavaScript) and server languages (e.g. Python, Go).
12	You know about relational databases and the SQL programming language.
13	You know what an Object-Relational Mapping for database programming is.
14	You know about non-relational types of database, such as graph databases or document databases.
15	You know about JavaScript Web Tokens and what they might be used for in a web API.
16	You know about the difference between encryption and encoding, and how both of these are used in security of web services.
17	You know about Secure Sockets Layer (SSL), and how it helps secure data exchanges between services.
18	You know about Git, and how to use it for collaboration and error control.
19	You know about UNIX and deployment of web services to stand-alone servers.
20	You know about Heroku and deployment of web services to this type of service.

If you have answered “Yes” to:

- **0 to 8 questions**, I’d recommend you start at the very beginning of the course to get the most out of it.
- **9 to 11 questions**, you may start at Section 3 if you are in a rush to complete the course, although starting from the beginning would be recommended.
- **12 to 14 questions**, you probably could start at Section 3 without many issues.
- **15 to 17 questions**, you may look at the code for Sections 3 and 4 (available at the end of each section) and then move on to Section 5.
- **18 questions**, you may look at the code for Sections 3 and 4 (available at the end of each section) and then move on to Section 5. You may skip Section 7.
- **19 to 20 questions**, you may look at the code for Sections 3 and 4 (available at the end of each section) and then move on to Section 5. You may skip large parts of Sections 7 and 8 as you deem necessary.

Thank you for completing this short self-assessment! Hopefully this will speed up your progress through the course.

Remember: *I am always available to guide you personally and answer questions. Use that resource!*

I’ll see you in the next lecture!

Kind regards,
Jose—your instructor