

Essential Skills Assignments and Homework

WEEK 41

Assignment 10: web services + home work

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Assignment 10 : Web Services

Create a simple web service (SOAP and REST) (simple calculator)

Notes:

1. This assignment should be done in **Python** but could be also done in perl, Ruby, or Java.
2. We encourage you to exchange your service contact point with other students and adapt your client to call the new services.
3. You might want to look at the following for starters:
 - Pysimplesoap (google)
 - <https://wiki.python.org/moin/WebServices>
 - <http://pywebsvcs.sourceforge.net/>
 - <http://www.doughellmann.com/articles/pythonmagazine/features/building-soapservice/>

(IF You want to try Java Optional)

1. Install tomcat
2. Deploy axis inside tomcat
3. Create a simple web service (Helloword or simple calculator or Any other service)
4. Deploy the service into axis
5. Get the WSDL of the service
6. Using the WSDL create a client which invokes the service
7. Explain in the wiki the role of all the components you have installed.

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Further Reading: Web Services

No presentation is required

- GoogleDeveloper Video Intro to REST (G1, G2, G3, G4)
 - <http://www.youtube.com/watch?v=YCcAE2SCQ6k>
- Web Services, SOAP 1, SOAP 2, and WSDL 1.1 (G5, G6, G7, G8, G9)
 - http://www.youtube.com/watch?v=dbxASThtC_g