CS459 – Introduction to Services Computing
Fall 2021

Practice #2

Due Date: November 4, 2021

Homework Description:

1. Choose <u>at least three</u> Web services that provide OpenAPIs
2. Analyze the API descriptions of the services and identify how to access them (i.e., available methods and their inputs and outputs)
3. Using Node-RED, develop a service-mashup program that
   - ☐ Accepts <u>user's inputs</u> via a user interface (textual or graphical)
   - ☐ Generates <u>queries</u> to the services according to the user inputs
   - ☐ <u>Integrates</u> the services by connecting their inputs and outputs
   - ☐ Generates <u>results</u> of the service mashup
   - ☐ <u>Displays (visualizes)</u> the results

   - ☐ *Please do not simply copy any sample programs that are available on the Web. Plagiarism will be checked carefully.*

Submission:

- ☐ Your homework report must include:
  - ☐ Brief explanation about the Web services used for the mashup
  - ☐ Explanation about the mashup application
  - ☐ Hard copy of the program source (formatted in two-column)
  - ☐ Sample results (user inputs and results)
- ☐ Submit your homework file in PDF format via KLMS by 2:30PM November 4, 2021