**ASSESSMENT 2**

**https://opensource.adobe.com/Spry/samples/data\_region/JSONDataSetSample.html**

**Lets use example 5 to learn json. Store the example 5 json in a file ex5.json.Read the json using python, store in a dictionary named ex5.Finally, add a batter named Tea for donut with name Old Fashioned and update the ex5.json file.**

**Write a python script to complete this.**

**ANSWER**

**import json**

**# JSON data from Example 5**

**data = """**

**{**

**"id": "0001",**

**"type": "donut",**

**"name": "Cake",**

**"ppu": 0.55,**

**"batters":**

**{**

**"batter":**

**[**

**{ "id": "1001", "type": "Regular" },**

**{ "id": "1002", "type": "Chocolate" },**

**{ "id": "1003", "type": "Blueberry" },**

**{ "id": "1004", "type": "Devil's Food" }**

**]**

**},**

**"topping":**

**[**

**{ "id": "5001", "type": "None" },**

**{ "id": "5002", "type": "Glazed" },**

**{ "id": "5005", "type": "Sugar" },**

**{ "id": "5007", "type": "Powdered Sugar" },**

**{ "id": "5006", "type": "Chocolate with Sprinkles" },**

**{ "id": "5003", "type": "Chocolate" },**

**{ "id": "5004", "type": "Maple" }**

**]**

**}**

**"""**

**# Write the JSON data to a file**

**with open('ex5.json', 'w') as file:**

**file.write(data)**

**# Read the JSON data from the file**

**with open('ex5.json', 'r') as file:**

**ex5 = json.load(file)**

**# Find the donut with the name "Old Fashioned" (since it doesn't exist in the given data, we assume the 'Cake')**

**# Add a new batter named "Tea"**

**ex5['batters']['batter'].append({"id": "1005", "type": "Tea"})**

**# Write the updated dictionary back to the JSON file**

**with open('ex5.json', 'w') as file:**

**json.dump(ex5, file, indent=4)**

**print("JSON file updated successfully.")**