DATAWEAVE

** **All the best for your assignments** ** **Time:** *40 mins*

1. Given two lists, Identity the elements intersect between two lists and it should return unique values
    a. A = [1, 3, 4, 5, 6, 1, 4, 2, 3, 5, 8, 9]
    b. B = [1, 10, 2, 3, 5]
    c. **Expected output:** [1, 3, 5]
    d. **Note:** Your program should work based on dynamic values irrespective of what we input it should work properly

2. Identify the number of elements falls under each codes from the given list of dictionaries,
    a. Data = [{1: 400}, {2: 404}, {3: 200}, {4: 200}, {5: 200}]
    b. **Expected output:** {404: 1, 400: 1, 200: 3}
    c. **Note:** Your program should work based on dynamic status codes means if I update the input, it should auto populate appropriate bifurcations

3. Given a list of dictionaries, remove the duplicates based on name
    a. Data = [{"name": "krish", "age": 20}, {"name": "krishna", "age": 22}, {"name": "krish", "age": 21}, {"name": "adam", "age": 18}]
    b. **Expected output:** [{"name": "krish", "age": 20}, {"name": "krishna", "age": 22}, {"name": "adam", "age": 18}]
    c. **Note:** Your program should work based on dynamic values irrespective of what we input it should work properly

4. Given a dataset of URLs and a set of zip codes - replicate the URLs for each zip code and create files accordingly
    a. url_list = ["https://www.amazon.in", "https://www.google.com", "https://www.flipkart.in", "https://www.myntra.com"]
    b. zipcode_list = ["110001", "110002", ""110003"]
    c. **Expected output:** filename = "110001_input"; file should contain [{"url": "https://www.amazon.in#110001", "zip": "110001"}, {"url": "https://www.google.com#110001", "zip": "110001"}, {"url": "https://www.flipkart.in#110001", "zip": "110001"}, {"url": "https://www.myntra.com#110001", "zip": "110001"}]
    d. **Note:** Your program should work based on dynamic values irrespective of what we input it should work properly. We may increase zip codes / URLs, it should work irrespective of any changes in input

5. Given a list of string values of any case sensitiveness - identify and print only the unique values in it. Output should be printed in sentence case(First Letter capitalized)
    a. string_list = ["rama", "kishore", "Rama", "SANJAY", "sachin", "Sanjay", "thilak"]
    b. **Expected Output:** ["Rama", "Kishore", "Sanjay", "Sachin", "Thilak"]
    c. **Note:** Your program should work based on dynamic values irrespective of what we input it should work properly

Do not take question paper out of the assessment bay and no internet connection allowed on assessment. Ask DataWeavers if you have any queries before you start the assessment.