**QA World Cup – Round 4**

Problem Statements

# Problem type: Test Automation (This problem is Mandatory)

Application (URL) to use: <https://www.yammer.com/nagarro.com>

Automation tool: Any

Test Steps:

|  |  |
| --- | --- |
| Sr. No. | Step description/instruction |
| 1 | Launch Nagarro **Yammer** website |
| 2 | 1. Navigate to “Communities” using the left pane 2. Click on “All” to view all available communities 3. Fetch the details like Group name, member count 4. Sort details fetched in Step#3 in ascending order of the team member count 5. Create Excel sheet with the above data. *(****Excel File Name:*** *Yammer,* ***Worksheet:*** *Community Data)* |
| 3 | 1. Navigate to the “NQLB - No QA Left Behind” community 2. Fetch the name, email ID and team name of first 20 community members 3. Sort details fetched in Step#2 in alphabetical ascending order of the team member name 4. Add above data in another worksheet in the “Yammer” Excel file with name “**NQLB**” |
| 4 | 1. Navigate to the “Test Automation Practice” community 2. Fetch the details of the most liked and most replied posts in the top 20 posts of the community. Details to be fetched:    1. Name of the person who posted it    2. Email of the person who posted it    3. Count of likes of the most liked post    4. Count of replies of the most replied post 3. Add above data in another worksheet in the “Yammer” Excel file with name “**Test Automation Practice**” |

**Links to the Communities:**

**NQLB:** <https://web.yammer.com/main/org/nagarro.com/groups/eyJfdHlwZSI6Ikdyb3VwIiwiaWQiOiIxMDkwNjMxMDI0NjQifQ/all>

**Test Automation Practice:** <https://web.yammer.com/main/org/nagarro.com/groups/eyJfdHlwZSI6Ikdyb3VwIiwiaWQiOiI1MzA1NjcxNjgwIn0/all>

# Problem type: Performance testing

Automation tool: Any

|  |  |
| --- | --- |
| Sr. No. | Step description/instruction |
| 1 | Create script to test the performance of copy command. Use any arbitrary file and location for copy. |

# Problem type: Test Automation

Automation tool: Any

Test Steps:

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Step description/instruction | Test Data | Expected Result |
| 1 | Launch **MakeMyTrip** website |  |  |
| 2 | Navigate to Buses Section, Select From & to and search Buses. |  |  |
| 3 | No Sorting, Filter should be used while performing below  Scenario:  1) Find the Buses according to rating and store them in 2 different list. Bus with "3<Rating<4" in List1 & "Rating>4" in List2.  2) Create a HashMap With Key as Bus name and value as Price and Rating of the Bus.  Eg: {"Intercity": ["4.4", "1000"],  "abc": ["4.0", "1234"],  "xyz": ["2.1", "1234], etc} |  |  |

# Problem type: Programming

Programming Language: Any

Problem Statement:

* Given an integer array nums, return true if any value appears **at least twice** in the array, and return false if every element is distinct.

Examples:

**Example 1:**

Input: nums = [1,2,3,1]

Output: true

**Example 2:**

Input: nums = [1,2,3,4]

Output: false

**Example 3:**

Input: nums = [1,1,1,3,3,4,3,2,4,2]

Output: true

Constraints:

1. 1 <= nums.length <= 105

-109 <= nums[i] <= 109

# Problem type: Designing Test Approach

**Context and problem statement:**

ABC is a very large online gaming service provider of the world. They develop mobile games, mostly native app based.

ABC is planning to release a new game in the market. The game is expected to be a Native mobile app and is expected to support both Android and iOS. There is no corresponding web component (website) for the game, it is supposed to be only a native app.

From device support point of view, the game is supposed to support major iOS and Android devices. ABC is also expecting the performance of the native app be good and it should work fine for user load of close to 1000 concurrent users.

**The ask:**

You are quality lead of this project. Kindly do following:

1. Write high level testing approach in 200-300 words
2. Which testing types would you like to perform? Also explain the reason of choosing a particular testing type
3. Assuming scrum model of delivery, what are your testing KPIs?