

QA Engineer Technical Assignment

Introduction:

This assignment is divided into three parts namely:

1. MySQL Queries
2. Github knowledge
3. Testing Skill and Product Knowledge.
4. Python Knowledge

Assignment 1:

1. Install MySQL locally.
2. create 2 tables in the database.

user table have following fields

- a. id
- b. name
- c. email
- d. phone

employee table have following fields

- a. userid
- b. employee_number
- c. employee_phone
- d. employee_salary

Note: userid is foreign key of linked user table id.

You have to write following mysql queries:-

- Q1: Insert fake data to these tables.(50 rows)
- Q2: Get 10 latest rows/ (from both the tables)
- Q3: Get rows where the name has "cop" in them.
- Q4: Get phone of user which employee_number has value 1
- Q5: Update employee_number value 1 email column.
- Q6: Get employees which have the highest employee_salary.
- Q7: Delete one row query.

Assignment 2:

1. Setup github.
2. Push assignment 2 on github.

3. Share public github repository access.

Assignment 3:

Create test cases and test plan for www.grampower.com website.
Which cover all UI Test cases include following things:

1. What data is showing on the UI.
2. Any video rendering.
3. Every tab switch.

Following pages:

1. <https://grampower.com/utility.html>
2. <https://grampower.com/retail.html>

What things you understand from products listed on grampower website.

Create a document for this.

Assignment 4:

Python program for read dummy json data and perform following tasks:

1. Print Json data all keys.
2. Get All site_name list.
3. Print site_name = 'Clerk Quarter' feeder_id
And fetch feeder_name and pss_id from feeder_id
And fetch pss_name from corresponding pss_id.

Attached json_file with assignment.

```
{
  "pss_list": [
    {
      "pss_name": "Central Store-PC220",
      "pss_id": "G2_Central Store_test",
      "longitude": 84.9729766666688,
```

```
    "latitude": 24.78822666666688,
    "id": 1,
    "rated_capacity": "Na"
  },
  {
    "pss_name": "80FEETBYPASS-PC210",
    "pss_id": "G1_B.K. Verma Road Gaya_vikram",
    "longitude": 84.99352,
    "latitude": 24.6980516667,
    "id": 2,
    "rated_capacity": "200kVA"
  }
],
"site_list": [
  {
    "feeder_id": "F2_Central Store 4_test",
    "site_name": "Shatabdi public school",
    "site_id": "S11_Shatabdi public school_test",
    "longitude": 84.97576333333333,
    "latitude": 24.79610166666667,
    "id": 1
  },
  {
    "feeder_id": "F2_Central Store 4_test",
    "site_name": "Aliganj road no.25",
    "site_id": "S12_Aliganj road no.25_test",
    "longitude": 84.97739166666667,
    "latitude": 24.79764666666667,
    "id": 2
  },
  {
    "feeder_id": "F2_Central Store 4_test",
    "site_name": "Aliganj road no. 19",
    "site_id": "S13_Aliganj road no. 19_test",
    "longitude": 84.97884833333333,
    "latitude": 24.79731333333333,
    "id": 3
  }
],
"feeder_list": [
  {
```

```
"feeder_id": "F2_Central Store 4_test",
"feeder_name": "FEEDER 4",
"feeder_code": "CS4",
"pss_id": "G2_Central Store_test",
"longitude": 84.97297666666667,
"latitude": 24.78822666666667,
"id": 1,
"rated_capacity": "Na"
},
{
  "feeder_id": "F2_Pachhati More Bodh Gaya_vikram",
  "feeder_name": "Pachhati More Bodh Gaya",
  "feeder_code": "PBG100",
  "pss_id": "G1_B.K. Verma Road Gaya_vikram",
  "longitude": 84.994175,
  "latitude": 24.701285,
  "id": 8,
  "rated_capacity": "100 kVA"
}
]
}
```