Interview Round 1

=> Introduce yourself.

=> Explain SDLC(Software Development Life Cycle).

=> What is your experience in software testing and what do you know about it.

=> Explain the logic for the following(Considering time and space complexity):

   1.We have an ArrayList having string elements, we need to sort it alphabetically without using sort() method.

   2. We have an array of 5 integers, we want to remove the 4th(second last) integer from the array.

   3. Same as above scenario but with ArrayList.
   (We have an arraylist of 5 integers, we want to remove the 4th(second last) integer from the arraylist.)

   4. We have a string, how to check if it is Palindrome or not in java.

=> Difference between overloading and overiding.

=> Explain the concepts of OOPS with the help of an example.

=> Difference between Encapsulation and Abstraction.

=> Explain the operations of Rest API(CRUD Operations).

=> If we are performing PUT operation but there is no such record to update, what will happen?

=> Which application softwares have you used to test the operations of Rest API.

=> What all operations can you perform in postman application.

=> Have you used any source control or versioning tool?

=> what do you know about github?

=> Explain difference between commit and push.

=> What you know about software testing tools like Selenium.

=> In java, consider we have two classes -> Class A and class B.

We want to access a method from class A in class B but we don't want to use inheritance and we don't want to create an object of class A. How can we access it?

Interview Round 2

=> Introduce yourself, tell me about your academics and project in cdac.

=> Asked to share the screen and write following programs on notepad(write the code in most optimized way, considering time and space complexity):

> 1. Write a program to divide an array of 'n' number of elements into smaller chunks.
>
> 2. Write a program to sort an array of integers.
>
> 3. Write a SQL query to find name of employee having 2nd largest salary from Table -> Employee(empid,empname,salary).

=> Explain the concept of overloading and overriding.

=> Explain Encapsulation and Abstraction with the help of an exmaple. Explain their difference using an example.

=> Explain Type casting in java.

=> Consider we have a Hashmap,'hmap' and we are doing following operations on it:

```
hmap.put(1,"abc")
hmap.put(2,"xyz")
hmap.put(3,"lmn")
hmap.put(2,"pqr")
```

Is it possible? If yes, what value will I get if I access the value of hmap with key as '2'?

=> Explain your project.

=> What kind of testing have you done in your project.

=> I have a hashmap with following elements:

```
hmap.put(1,"abc")
hmap.put(2,"xyz")
hmap.put(3,"lmn")
```

Now, I want to update the value of element with key 1 to "pqr". How can I update the value?

=> Why do you want to work with us?

=> Why should we hire you?

Interview Round 3

=> Introduce yourself.

=> Apart from Academics, what do you do.

=> Discuss on Extra-curricular activities, importance of sports in India, Education system of India(Wanted to know my point of view on each topic).

=> What was your CDAC project?

=> What was your contribution in the project?

=> How did you check if all the services were working properly before integrating them with the frontend?