

## Question 2:

Explain how the data could be queried and give an example using a technology of your choice.

## Answer:

Using SQL, assumed that database is designed as the following

PK - Primary Key FK - Foreign Key					
Test_Report			Diff_Diagnosis		
Type		Field	Type		Field
UUID	PK	id	UUID	PK	id
UUID	FK	patient_id	UUID	FK	test_report_id
UUID	FK	diff_diagnosis_id			
UUID	FK	student_num	String		diagnosis
String		resource_type			
String		test_type			
Date Time		test_date			
String		identifier			
String		confirmed_diagnosis			

We can use the following Query to get test records from **test\_report** table for **confirmed\_diagnosis** equals to 'Gitelman's syndrome'

Query Query History

```
1 SELECT *
2 FROM public.test_report
3 WHERE confirmed_diagnosis = 'Gitelman's syndrome';
```

## Architecture Diagram

