**SQL DATA QUERIES FOR MY WORKSPACE AND DATABASE**

The following are the queries that will be used in the application and the editing of the data queries within the database:

* **Retrieve All Healthcare Professionals**

“SELECT \* FROM HealthcareProfessional;”

* **Find Healthcare Professionals by Role**

If the role is doctor the query used is:

“SELECT \* FROM HealthcareProfessional

WHERE Role = 'Doctor';”

* **Retrieve Professionals with a Specific Specialization**

The query to be used in this case should be:

“SELECT \* FROM HealthcareProfessional

WHERE Specialization = 'Cardiology';”

* **Get Professionals with More Than a Specific Number of Years of Experience**

The query to be used in this case should be:

“SELECT \* FROM HealthcareProfessional

WHERE YearsOfExperience > 10;”

* **Find Professionals Working at a Specific Facility**

The query to be used in this case should be:

“SELECT \* FROM HealthcareProfessional

WHERE Facility = 'City Hospital';”

* **Retrieve Professionals Working More Than a Specific Number of Hours Per Week**

The query to be used in this case should be:

“SELECT \* FROM HealthcareProfessional

WHERE HoursOfWork > 40;”

* **Get the Average Number of Patients Handled Per Day by Specialization**

The query to be used in this case should be:

“SELECT Specialization, AVG(PatientsPerDay) AS AveragePatientsPerDay

FROM HealthcareProfessional

WHERE Specialization = 'Cardiology'

GROUP BY Specialization;”

* **Find the Professional with the Highest Number of Patients Handled Per Day**

The query to be used in this case should be:

“SELECT \* FROM HealthcareProfessional

ORDER BY PatientsPerDay DESC

LIMIT 1;”

* **Count the Number of Professionals in Each Role**

The query to be used in this case should be:

“SELECT Role, COUNT(\*) AS NumberOfProfessionals

FROM HealthcareProfessional

GROUP BY Role;”

* **List Professionals with Less Than a Specific Number of Patients Handled Per Day**

The query to be used in this case should be:

“SELECT \* FROM HealthcareProfessional

WHERE PatientsPerDay < 150;”