# CIND 119: Introduction to Big Data Analytics Assignment 2

Question 1: Create an SQLite database called "sample".

Question 2: Within the "sample" database, create a table called "test\_data" and load the following data into the table: (5 points)

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--Question 2--

CREATE TABLE test_data (

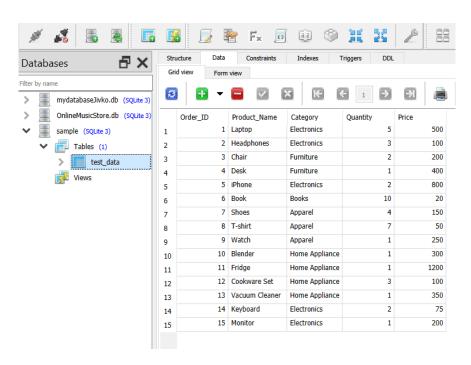
Order_ID INT PRIMARY KEY,

Product_Name VARCHAR(100),

Category VARCHAR(50),

Quantity INT,

Price INT
);
```

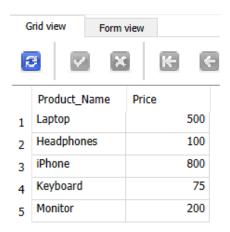


Question 3: Write SQL queries to select/compute data from the "test" data" table. (2 points each)

a. Select the Product Name and Price of products where the Category is 'Electronics'.

--a: Select the Product Name and Price of products where the Category is 'Electronics'.--

# SELECT Product\_Name, Price FROM test\_data WHERE Category = 'Electronics';



## b. Compute the average price of products in the 'Apparel' category.

--b:Compute the average price of products in the 'Apparel' category.--

SELECT AVG(Price) AS Average\_Price

FROM test\_data

WHERE Category = 'Apparel';



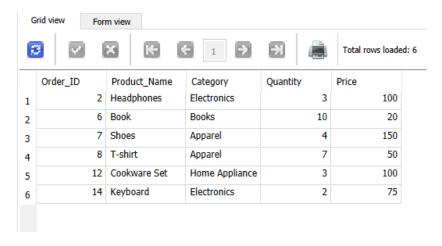
#### c. Select all fields of products where the price is less than 200.

--c:Select all fields of products where the price is less than 200.--

SELECT Order\_ID, Product\_Name, Category, Quantity, Price

FROM test\_data

WHERE Price < 200;



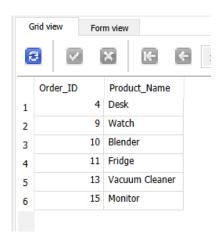
### d. Select the Order ID and Product Name of products where the Quantity is equal to 1.

--d: Select the Order\_ID and Product\_Name of products where the Quantity is equal to 1.--

SELECT Order\_ID, Product\_Name

FROM test\_data

WHERE Quantity = 1;



# e. Compute the total revenue (Price \* Quantity) for each Category.

--e. Compute the total revenue (Price \* Quantity) for each Category--SELECT Category,

SUM(Price \* Quantity) AS Total\_Revenue

FROM test\_data

GROUP BY Category;

