# Task 4 Submission

# SQL for Data Analysis

## SQL Queries

1. **Top 10 most expensive products**

SELECT product\_name, brand, retail\_price  
FROM products  
WHERE retail\_price IS NOT NULL  
ORDER BY retail\_price DESC  
LIMIT 10;

1. **Average discounted price by brand**

SELECT brand, AVG(discounted\_price) AS avg\_discounted\_price  
FROM products  
WHERE brand IS NOT NULL  
GROUP BY brand  
ORDER BY avg\_discounted\_price DESC  
LIMIT 10;

1. **Join example (requires brands\_info table)**

SELECT p.brand, COUNT(\*) AS product\_count, b.country  
FROM products p  
JOIN brands\_info b ON p.brand = b.brand\_name  
GROUP BY p.brand, b.country;

1. **Subquery: products costlier than average**

SELECT product\_name, retail\_price  
FROM products  
WHERE retail\_price > (  
 SELECT AVG(retail\_price) FROM products  
);

1. **Create view for brand price summary**

CREATE VIEW brand\_price\_summary AS  
SELECT brand, COUNT(\*) AS product\_count, AVG(retail\_price) AS avg\_price  
FROM products  
WHERE brand IS NOT NULL  
GROUP BY brand;