**DATA ANALYTICS, Fetch Assignment**

**SQL Queries –**

1. **Which brand saw the most dollars spent in the month of June?**

SELECT

b.name as brand\_name,

SUM(ri.total\_final\_price) as total\_spent

FROM

Brands b

JOIN Receipt\_items ri ON b.brand\_code = ri.brand\_code

JOIN Receipts r ON ri.rewards\_receipt\_id = r.id

WHERE

EXTRACT(YEAR\_MONTH FROM r.purchase\_date) IN “2022-06”

GROUP BY

b.name

ORDER BY

total\_spent DESC

LIMIT 1;

1. **Which user spent the most money in the month of August?**

SELECT

r.user\_id,

SUM(ri.total\_final\_price) as total\_spent

FROM

Receipts r

JOIN Receipt\_items ri ON r.id = ri.rewards\_receipt\_id

WHERE

EXTRACT(YEAR\_MONTH FROM r.purchase\_date) IN “2022-08”

GROUP BY

r.user\_id

ORDER BY

total\_spent DESC

LIMIT 1;

1. **What user bought the most expensive item?**

SELECT

r.user\_id,

MAX(ri.total\_final\_price) as max\_item\_price

FROM

Receipts r

JOIN Receipt\_items ri ON r.id = ri.rewards\_receipt\_id

GROUP BY

r.user\_id

ORDER BY

max\_item\_price DESC

LIMIT 1;

1. **What is the name of the most expensive item purchased?**

SELECT

b.name as brand\_name,

ri.description,

MAX(ri.total\_final\_price) as max\_item\_price

FROM

Brands b

JOIN Receipt\_items ri ON b.brand\_code = ri.brand\_code

JOIN Receipts r ON ri.rewards\_receipt\_id = r.id

GROUP BY

b.name, ri.description

ORDER BY

max\_item\_price DESC

LIMIT 1;

1. **How many users scanned in each month?**

SELECT

DATE\_TRUNC('month', r.purchase\_date) as month,

COUNT(DISTINCT r.user\_id) as user\_count

FROM

Receipts r

GROUP BY

month

ORDER BY

month;