Name: Katleho Esther

Surname: Makoane

Assessment: Practical 2.1

Q1:



Q2:

```
12 ---Total purchases by SEason (NULLs as 'Unknown Season')
13 SELECT COALESCE (SEASON, 'UNKNOWN SEASON') AS SEASON,
COUNT(*) TOTAL_PURCHASES
FROM SHOPPINGTRENDS
GROUP BY COALESCE (SEASON, 'UNKNOWN SEASON');
18 ---Count of customers per Payment Method (NULLS as 'Not Provided')

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```

Q3:

```
---Count of customers per Payment Method (NULLS as 'Not Provided')

SELECT

COALESCE (PAYMENT_METHOD, 'Not Provided') AS PAYMENT_METHOD,
COUNT(DISTINCT CUSTOMER_ID) AS CUSTOMER_COUNT

FROM SHOPPINGTENDS

GROUP BY COALESCE (PAYMENT_METHOD, 'Not Provided');

---Customers with NULL Promo Code Used and Review Rating < 3.0

A PAYMENT_METHOD ## CUSTOMER_COUNT

PayPal

A PAYMENT_METHOD ## CUSTOMER_COUNT

PayPal

Not Provided 30

Not Provided 33

Not Provided 33

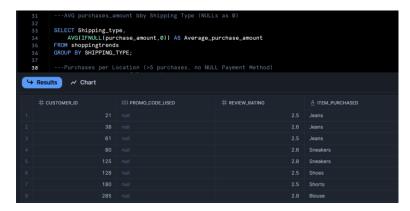
Formo 53

Credit Card 44

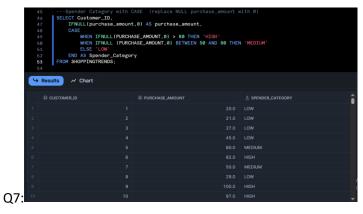
Cash 42
```

Q4:

Q5:



Q6:





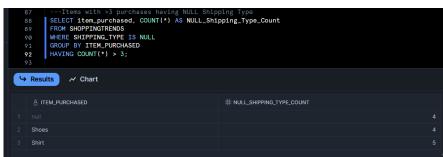
Q10:



Q11:



Q12:



Q13:



Q14: l



Q15:

```
---NULL Colors with at least 2 rows and avg age

SELECT Color, AVG(AGE) AS Average_Age
FROM SHOPPINGTRENDS
WHERE COLOR IS NULL
GROUP BY COLOR
HAVING COUNT(*) >= 2;

Chart

A COLOR

# AVERAGE_AGE

1 null

47.8481538
```

Q16: l

```
---Delivery Speed CASE and Count

SELECT
CASE
WHEN Shipping_Type IN ('Express', 'Next Day Air') THEN 'Fast'
WHEN Shipping_Type = 'Standard' THEN 'SLow'
ELSE 'Other'
END AS Delivery_Speed, COUNT(DISTINCT Customer_ID) AS Customer_Count
FROM SHOPPINGTRENDS
GROUP BY
CASE
WHEN SHIPPING_TYPE IN ('Express', 'Next Day Air') THEN 'Fast'
WHEN SHIPPING_TYPE = 'Standard' THEN 'SLow'
ELSE 'Other'
END;

A DELIVERY_SPEED
# CUSTOMER_COUNT

Slow
45
2 Other
166
3 Fast
```

Q17: l

Q18:



Q20: