Brightlearn Tutorial - Data Analytics

SQL Fundamentals Exercise 3: SQL CASE Statements

1. Toble: products

SELECT product-name, CASE WHEN price 7 1000 THEM (Expensive) WHERP price BETWEEN 100 AND 1000
THEN Mid-range ELSE (Budget)

EMD AS price - colegory

FROM products;

Expensive 800 45 300

2. Toble orders

SELECT austomer - nome, am ound

CASE

WHEN around DETWEEN 500 AND 99.99 THEN Medium value!

5 LSG (Low value 1

EMD AS order-value-category

FROM orders;

Expected output:

	ane famount	- Valle - Late
Alice	150.00	Low value
306	500.00	Medium value
hartle	999.99	Medium value
Diona	45.50	low value
tituan	1200.00	lyrgh value

3. Table: employees

SELECT emp-nomey department,

CASE

WHEN department = (IT' AND solary 78000 THEM ( Senior IT WHEN department= "HR AND solary 755 000 THEN ( Experienced HR)

ECSE (Stoff) EMD AS position—level FROM employees i

Expected output:

emp-nor	ne depostm	ent/ Salar	position-level
John	17	8500	Serior #T
Sara	HR	60000	Experienced Hor
Mark	/#T	18000	Staff
Luey	Finance	95000	Staff
Tom	HPZ	55000	Staff

4. Table. students

SELECT student-name, Score

WHEN SEONE 7= 90 THEN (A) WHEH SCORE BETWEEN 80 AND 89 THEN (B) WHEN Score BETWEEN TO AND TO THEN (c) WHEN Score BETWEEN GO AND 69 THEN (D' ELSE (F1

END As grade

FROM Students;

Expected output:

3(112)	one sco	-
Anna	92	- / A-
Ben	175	1 c
Cara	159	F
David	83	B
5110	58	10

5. Table. deliverles

SELECT delivery - 1d, derivery y erme - minutes

> CASE WHEN delivery-time-minutes THEN Fast WHEN derivery-time=minutes BETWEEN 31 AMD 50 THEN ( ON TIME ) ECSE (Late )

END AS performana

FROM defiveries;

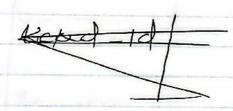
deliver	y-10/derivery-tim	e-ninutes/performance
	45	on Time
2	80	Lote
3	30	Fost
φ	05	Lare
	100	Late

6. Table tickets

SECECT issue-type,

WHEN priorly = 3 THEN (High) WHEN priorly = 2 THEN (Medium) ECSE LOW EMD AS priority-label

- FROM Liekers;



; ssue - type	priorl	ty priority-level
Login isone	11	low
server down	3	High
8100 system Email error	7-	medium
2025 WOSE POSE		Medium /

7. Table. afterdance

SELECT student-10, (days-presented \* 100 / total-days)
As aftendance-percentage WHEN (days-presented \$ 100 / total-days) 7=90 THEM (Exellent)

WHEN (days - presented \$ 100 / total days)
BETWEEN 15 AND 89 THEN (good)
ELSE (Meeds Fraprovenent) END As afterdance - Status FROM aftendance;

Expected output:

Student	- 10 days	- percentage afterdance - status
12	90	Excellent
3	96	Heeds Improvement Exceptent
14	50	Heads Improvement
5	100	Excellent

8. Table: products\_invectory

SELECT product - 1d, stock-gty

WHEN Stock-gty = 0 THEN Out of stock

WHEN STOCK- gty BETWEEN I AND 5 THEN (Low stock) ELSE I In stock ! END AS Stock states

FROM products-inventory;

Expected output:

nodret-	-1c) stock-a	ty stock-status
	15	Low stock
2	0	Out of stock
3	25	In stock
4	10	In stock
5	3	Low stock

9. Table classes

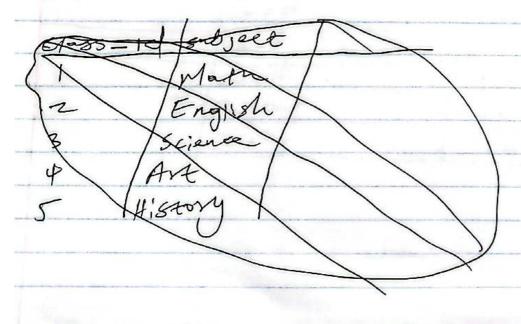
SELECT subject, en rollad - students

WHEN enroped-gudents 7 = 25

THEN (Large 1 WHEN enroped sendents BETWEEN 10 AND 24 THEN (Madium) ELSE (Small)

END AS class-size-category

FROM classes,



Expected out put:

subject	enrolled_stude	nts class-eize-catago
magn	30	Large
English	25	Large
Science	15	Medium
Ast	5	Small
History	20	Medium

10. Table payments

CKSE

with payment-method = 'cash' AND amount > = 200 THEN Eligible for Discount ELSE Not Eligible ! END As discount - eligibility

am payments;

payment_	- Id payment me	that discount-eligibility
	Cord	HER Eliqible
2	Coon	Eligible for biscount
3	Case	Not Eligible
Ιφ	Pay pay	Not Eligible
15	Cooh	Eligible for Discount
		J