case.

Exercise 3: SQL, Statement

Questions 1:

```sql
Select product.name,
       price
CASE
When price > 1000 THEN 'Expensive'
when price BETWEEN 100 AND 1000 THEN
    'Mid-Range'
When price < 100 THEN 'Budget'
END AS price Category
from products;
```

product_name	price	product category
Laptop	1200.00	Expensive
phone	800.00	Mid-Range
keyboard	45.00	Budget
Monitor	300.00	Mid-Range
Mouse	25.00	Budget

Question 2:

```sql
Select customer_name,
       amount
Case
when amount ≥ 1000 THEN 'High value'
When amount between 500 AND 999.99
    THEN 'Medium value'
When amount < 500 THEN 'Low value'
END AS order_value_Category
from orders;
```

customer_name	amount	order_value category.
Alice	150.00	Low value
Bob	860.00	medium value
Charlie	999.99	Medium value
Diana	45.50	Low value
Ethan	1200.00	high value.

Question 3:

```sql
Select emp_name,
       department,
       Salary
CASE
when . department='IT' AND salary > 80 000
     THEN 'Senior IT'
when  department 'HR' AND salary > 55000
   THEN 'Experienced HR'
Else 'Staff'
END AS postion_level
from orders;
```

emp_name	department	salary	position level
John	IT	85000	Senior IT
Sara	HR	80000	Experienced HR
Mark	IT	75000	Staff
Lucy	finance	95000	Staff
Tom	HR	95000	staff

Question 4

```
Select student name,
        score
    Case
when   score > 90 THEN 'A'
when   score between 80 AND 89 THEN 'B'
when   score between 70 AND 79 THEN 'C'
when   score between 60 AND 69 THEN 'D'
when   score   < 60 THEN 'F'
END AS   grade
from  students,
```

student_name	score	grade
Anna	92	A
Ben	76	C
Cara	59	F
David	83	B
Ella	68	D

Question 5

```
Select   delivery_id
         delivery_time_minutes
CASE
when  delivery_time_minutes ≤30mins THEN
 'fast'
when  delivery_time_minutes between 31mins
AND  60 mins  THEN   'ON TIME'
when delivery_time_minutes
Else 'late'  when delivery_time_minutes = 60mins
                                    THEN 'LATE
END AS   performance
```

from deliveries;

delivery.id	delivery.time mintunes	performance
1	45	on Time
2	80	Late
3	30	fast
4	65	~~Late~~ Null
5	100	~~Late~~ Null

Question 6.

Select issue_type,
        priority
CASE
when priority = 3 THEN 'HIGH'
when priority = 2 THEN 'Medium'
when priority = 1 THEN 'Low'
END AS priority_label
~~issue_typ   priority~~ from tickets;

issue type	priority	priority label
Login issue	1	~~high~~ Low
server down	3	high
slow system	2	medium
Email error	2	Medium
password rest	1	Low.

Question 7:

```sql
Select student_id,
days_present as attendance_percentage
CASE
when days_present ≥ 90% THEN 'Excellent'
when days_present between 75% AND
    89% THEN 'Good'
when days_present < 75% THEN 75%
        'Needs improvemet'
END AS attendance_status
from attendance;
```

student_id   daysattendance,percent

student id	attendance_percentage	attendance_statu
1	45	Needs improvement
2	30	Needs improvement
3	48	Needs improvement
4	25	Needs improvement
5	50	Needs improvement

Question 8

```sql
Select product_id,
      Stock_qty     CASE
when    Stock_qty = 0 THEN 'out of stock'
when    Stock_qty between 1 AND 5 THEN '
    Low stock'
when stock_qty ≤5 THEN 'in stock' ELSE instock'
when stock_qty ≥5 THEN 'in stock'
END AS Stock_status
```

(right margin, partially visible)
C
wh
who
≥9
when
END
from

subjec
math
English
Science
Art
History

from products_inventory;

product_id	stock_qty	stock_status
1	5	IN stock
2	0	out of stock
3	25	Null
4	10	Mull
5	3	Low stock

Question 9:

```
select subject,
    enrolled_students
CASE
when enrolled_students ≥ 25 THEN 'Large'
when enrolled_students between 10 AND
 24 THEN 'Medium'
when enrolled_student <10 THEN 'small'
END AS class_size_category
from classes
```

subject	enrolled_subjects	class_size_category
math	30	Large
English	25	Large
Science	15	Medium
Art	5	small
History	20	Medium.

Question 10

```sql
select payment_rd,
       payment_method,
       amount,
CASE discount
when payment_method = 'Cash' AND
     amount >= 200  THEN 'Eligible for
     Discount'
  Else  'Not Eligible'
END AS discount_eligibility
 from payments
```

payment_id	payment_method	amount	discount_eligibility
1	Card	50.00	Not Eligible
2	Cash	200.00	Eligible for discount
3	Card	150.00	Not Eligible
4	Paypal	75.00	Not Eligible
5	Cash	300.00	Eligible for discount

AI Develop
Cyberoccu
Employee
finance Ar
Market ex
Risk Manage