Task 8: SQL Window Functions

Platform: Programiz (Oracle SQL)

DENSE_RANK

Input

Run SQL

```
SELECT
    product_name,
    category,
    price,
    ROW_NUMBER() OVER (PARTITION BY category ORDER BY price DESC) rn
FROM products;
```

Output

product_name	category	price	rn
Laptop	Electronics	55000	1
Table	Furniture	12000	1
Chair	Furniture	5000	2
Notebook	Stationery	80	1
Pen	Stationery	20	2

DENSE_RANK is used to rank products without skipping ranks

PARTITION BY CATEGORY

Input

Run SQL

```
SELECT
    product_name,
    category,
    price,
    ROW_NUMBER() OVER (PARTITION BY category ORDER BY price DESC) rn
FROM products;
```

Output

product_name	category	price	rn
Laptop	Electronics	55000	1
Table	Furniture	12000	1
Chair	Furniture	5000	2
Notebook	Stationery	80	1
Pen	Stationery	20	2

PARTITION BY Category is used for category – wise ranking.