```
CREATE TABLE sales (
    region VARCHAR2(50),
    product VARCHAR2(50),
    year NUMBER,
    quarter NUMBER,
    amount NUMBER
);

INSERT INTO sales VALUES('North','Product A',2020,1,1000);
INSERT INTO sales VALUES('North','Product B',2020,1,1500);
INSERT INTO sales VALUES('North','Product A',2020,2,1200);
INSERT INTO sales VALUES('North','Product B',2020,2,1800);
INSERT INTO sales VALUES('South','Product A',2020,1,900);
INSERT INTO sales VALUES('South','Product B',2020,1,1300);
INSERT INTO sales VALUES('South','Product A',2020,2,1100);
INSERT INTO sales VALUES('South','Product B',2020,2,1700);

COMMIT;
```

```
Table created.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

Statement processed.
```

SELECT * FROM sales;

REGION	PRODUCT	YEAR	QUARTER	AMOUNT
North	Product A	2020	1	1000
North	Product B	2020	1	1500
North	Product A	2020	2	1200
North	Product B	2020	2	1800
South	Product A	2020	1	900
South	Product B	2020	1	1300
South	Product A	2020	2	1100
South	Product B	2020	2	1700

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8 rows selected.

-- Slice
SELECT * FROM sales WHERE region = 'North';

REGION	PRODUCT	YEAR	QUARTER	AMOUNT
North	Product A	2020	1	1000
North	Product B	2020	1	1500
North	Product A	2020	2	1200
North	Product B	2020	2	1800

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4 rows selected.

-- Dice
SELECT * FROM sales WHERE region = 'North' AND product = 'Product A';

REGION	PRODUCT	YEAR	QUARTER	AMOUNT
North	Product A	2020	1	1000
North	Product A	2020	2	1200

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2 rows selected.

-- Drilldown (Roll Down)
SELECT region, product, year, SUM(amount) AS total_amount FROM sales GROUP BY ROLLUP(region, product, year);

REGION	PRODUCT	YEAR	TOTAL_AMOUNT
North	Product A	2020	2200
North	Product A	-	2200
North	Product B	2020	3300
North	Product B	-	3300
North	-	-	5500
South	Product A	2020	2000
South	Product A	-	2000
South	Product B	2020	3000
South	Product B	-	3000
South	-	-	5000
-	-	-	10500

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11 rows selected.

-- Rollup (Drill Up)
SELECT region, product, SUM(amount) AS total_amount FROM sales GROUP BY ROLLUP(region, product);

REGION	PRODUCT	TOTAL_AMOUNT
North	Product A	2200
North	Product B	3300
North	-	5500
South	Product A	2000
South	Product B	3000
South	-	5000
-	-	10500

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7 rows selected.

-- Pivot (Rotate)
SELECT * FROM (
    SELECT region , product, quarter, amount From sales
)
Pivot (
   SUM(amount)
   For quarter IN (1 AS Q1, 2 AS Q2)
);

REGION	PRODUCT	Q1	Q2
North	Product B	1500	1800
North	Product A	1000	1200
South	Product A	900	1100
South	Product B	1300	1700

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4 rows selected.