Snowflake:

This is my source table with one column (**NAME**)

A screenshot of a computer

AI-generated content may be incorrect.

**Expected Output:**

A screenshot of a computer

AI-generated content may be incorrect.

-- Step 1: Create the input table

CREATE OR REPLACE TABLE input\_names (name STRING);

-- Step 2: Insert the data

INSERT INTO input\_names (name)

VALUES

('RAJESH KUMAR REDDY'),

('RAJESH'),

('APARNA PAUL'),

('KOTLA-ROJA-REDDY');

SELECT \*FROM input\_names;

NAME

RAJESH KUMAR REDDY

RAJESH

APARNA PAUL

KOTLA-ROJA-REDDY

Expected output :

NAME COL1 COL2 COL3

RAJESH KUMAR REDDY RAJESH KUMAR REDDY

RAJESH RAJESH

APARNA PAUL APARNA PAUL

KOTLA-ROJA-REDDY KOTLA ROJA REDDY

SELECT

SPLIT\_PART(name, ' ', 1) AS COL1,

SPLIT\_PART(name, ' ', 2) AS COL2,

SPLIT\_PART(name, ' ', 3) AS COL3

FROM input\_names;

COL1 COL2 COL3

RAJESH KUMAR REDDY

RAJESH

APARNA PAUL

KOTLA-ROJA-REDDY

SELECT

name,

REGEXP\_SUBSTR(name, '\\S+', 1, 1) AS COL1,

REGEXP\_SUBSTR(name, '\\S+', 1, 2) AS COL2,

REGEXP\_SUBSTR(name, '\\S+', 1, 3) AS COL3

FROM input\_names;

NAME COL1 COL2 COL3

RAJESH KUMAR REDDY RAJESH KUMAR REDDY

RAJESH RAJESH

APARNA PAUL APARNA PAUL

KOTLA-ROJA-REDDY KOTLA-ROJA-REDDY

SELECT

name,

REGEXP\_SUBSTR(REPLACE(name, '-', ' '), '\\S+', 1, 1) AS COL1,

REGEXP\_SUBSTR(REPLACE(name, '-', ' '), '\\S+', 1, 2) AS COL2,

REGEXP\_SUBSTR(REPLACE(name, '-', ' '), '\\S+', 1, 3) AS COL3

FROM input\_names;

SELECT

name,

SPLIT(REPLACE(name, '-', ' '), ' ')[0] AS COL1,

SPLIT(REPLACE(name, '-', ' '), ' ')[1] AS COL2,

SPLIT(REPLACE(name, '-', ' '), ' ')[2] AS COL3

FROM input\_names;

SELECT

name,

SPLIT\_PART(REPLACE(name, '-', ' '), ' ', 1) AS COL1,

SPLIT\_PART(REPLACE(name, '-', ' '), ' ', 2) AS COL2,

SPLIT\_PART(REPLACE(name, '-', ' '), ' ', 3) AS COL3

FROM input\_names;

NAME COL1 COL2 COL3

RAJESH KUMAR REDDY RAJESH KUMAR REDDY

RAJESH RAJESH

APARNA PAUL APARNA PAUL

KOTLA-ROJA-REDDY KOTLA ROJA REDDY

**Question 2:**

This is my table data

A screenshot of a computer

AI-generated content may be incorrect.

**Expected output:**

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

CREATE OR REPLACE TABLE split\_input (

id INT,

raw\_string STRING

);

INSERT INTO split\_input (id, raw\_string)

VALUES

(1, 'a.b'),

(2, 'x.y.z'),

(3, 'hello.world'),

(4, 'KOTLA-ROJA-REDDY'),

(5, 'KOTLA\*ROJA\*REDDY'),

(6, 'KOTLA|ROJA|REDDY');

SELECT \*FROM split\_input;

ID RAW\_STRING

1 a.b

2 x.y.z

3 hello.world

4 KOTLA-ROJA-REDDY

5 KOTLA\*ROJA\*REDDY

6 KOTLA|ROJA|REDDY

ID RAW\_STRING PART

1 a.b a

1 a.b b

2 x.y.z x

2 x.y.z y

2 x.y.z z

3 hello.world hello

3 hello.world world

4 KOTLA-ROJA-REDDY KOTLA

4 KOTLA-ROJA-REDDY REDDY

4 KOTLA-ROJA-REDDY ROJA

5 KOTLA\*ROJA\*REDDY KOTLA

5 KOTLA\*ROJA\*REDDY REDDY

5 KOTLA\*ROJA\*REDDY ROJA

6 KOTLA|ROJA|REDDY KOTLA

6 KOTLA|ROJA|REDDY REDDY

6 KOTLA|ROJA|REDDY ROJA

SELECT

s.id,

s.raw\_string,

split\_part.value AS part

FROM split\_input s,

LATERAL SPLIT\_TO\_TABLE(

REPLACE(REPLACE(REPLACE(s.raw\_string, '-', '.'), '\*', '.'), '|', '.'),

'.'

) AS split\_part

ORDER BY s.id, split\_part.value;