DECLARE project\_id STRING DEFAULT "your\_project\_id";

DECLARE dataset\_id STRING DEFAULT "your\_dataset\_id";

DECLARE table\_id STRING DEFAULT "your\_table\_name";

DECLARE column\_name STRING;

-- Array to hold non-datetime columns

DECLARE columns ARRAY<STRING>;

-- Query to get all non-datetime columns dynamically

SET columns = (

SELECT ARRAY\_AGG(column\_name)

FROM `your\_project\_id.your\_dataset\_id.INFORMATION\_SCHEMA.COLUMNS`

WHERE table\_name = table\_id

AND data\_type NOT IN ('DATETIME', 'TIMESTAMP', 'DATE', 'TIME')

);

-- Initialize variables for dynamic query

DECLARE i INT64 DEFAULT 0;

DECLARE query\_list ARRAY<STRING> DEFAULT [];

-- Loop through the columns and dynamically build SQL for unique values

WHILE i < ARRAY\_LENGTH(columns) DO

-- Get the column name

SET column\_name = columns[ORDINAL(i + 1)];

-- Append the query for this column

SET query\_list = ARRAY\_CONCAT(

query\_list,

[FORMAT("""

SELECT '%s' AS column\_name,

STRING\_AGG(CAST(%s AS STRING), ', ') AS unique\_value

FROM `%s.%s.%s`

""", column\_name, column\_name, project\_id, dataset\_id, table\_id)]

);

-- Increment the index

SET i = i + 1;

END WHILE;

-- Combine all queries using UNION ALL

EXECUTE IMMEDIATE ARRAY\_TO\_STRING(query\_list, " UNION ALL ");