

# CSV-COMMON SEPARATED VALUES

By using command prompt in snowsql integrated with snowflake

**Step-1** create database nest\_data:

```
C:\Users\admin>snowsql -v
Version: 1.4.5

C:\Users\admin>snowsql -a FSBBSTN-IH05083 -u ROSHINI
Password:
* SnowSQL * v1.4.5
Type SQL statements or !help
ROSHINI#COMPUTE_WH@(no database).(no schema)>create database nest_data;

+-----+
| status |
+-----+
| Database NEST_DATA successfully created. |
+-----+
```

**Step-2** create schema csv\_schema;

```
ROSHINI#COMPUTE_WH@NEST_DATA.NESTSCHEMA>create schema csv_schema;

+-----+
| status |
+-----+
| Schema CSV_SCHEMA successfully created. |
+-----+
```

**Step-3** create table csv\_table(id int,name varchar(100),dept varchar(100),email varchar(100));

**Step-4** create or replace stage stage\_csv;

**Step-5** put 'file://C:/snow\_assignment1/employee-1.csv' @stage\_csv;

**Step-6** CREATE OR REPLACE FILE FORMAT csv\_flatfile TYPE = 'CSV'  
FIELD\_DELIMITER = SKIP\_HEADER = 1;

```
1 Row(s) produced. Time Elapsed: 0.658s
ROSHINI#COMPUTE_WH@NEST_DATA.CSV_SCHEMA>create table csv_table(id int,name varchar(100),dept varchar(100),email varchar(100));

+-----+
| status |
+-----+
| Table CSV_TABLE successfully created. |
+-----+

1 Row(s) produced. Time Elapsed: 0.394s
ROSHINI#COMPUTE_WH@NEST_DATA.CSV_SCHEMA>create or replace stage stage_csv;

+-----+
| status |
+-----+
| Stage area STAGE_CSV successfully created. |
+-----+

1 Row(s) produced. Time Elapsed: 0.237s
ROSHINI#COMPUTE_WH@NEST_DATA.CSV_SCHEMA>put 'file://C:/snow_assignment1/employee-1.csv' @stage_csv;

+-----+
| source | target | source_size | target_size | source_compression | target_compression | status | message |
+-----+
| employee-1.csv | employee-1.csv.gz | 125 | 128 | NONE | GZIP | UPLOADED | |
+-----+

1 Row(s) produced. Time Elapsed: 1.014s
ROSHINI#COMPUTE_WH@NEST_DATA.CSV_SCHEMA>CREATE OR REPLACE FILE FORMAT csv_flatfile

+-----+
| status |
+-----+
| File format CSV_FLATFILE successfully created. |
+-----+

TYPE = 'CSV'
FIELD_DELIMITER = ','
SKIP_HEADER = 1;
```

### Step-7 COPY INTO CSV\_TABLE

```
FROM @stage_csv/employee-1.csv  
FILE_FORMAT = (FORMAT_NAME = CSV_FLATFILE)  
ON_ERROR = 'CONTINUE';
```

### Step-8 select \* from CSV\_TABLE;

```
1 Row(s) produced. Time Elapsed: 0.159s  
ROSHINI#COMPUTE_WH@NEST_DATA.CSV_SCHEMA>COPY INTO CSV_TABLE  
FROM @stage_csv/employee-1.csv  
FILE_FORMAT = (FORMAT_NAME = CSV_FLATFILE)  
ON_ERROR = 'CONTINUE';  
  
+-----+-----+-----+-----+-----+-----+-----+  
| file | first_error_line | status | rows_parsed | rows_loaded | error_limit | errors_seen | first_error |  
+-----+-----+-----+-----+-----+-----+-----+  
| stage_csv/employee-1.csv.gz | 2 | PARTIALLY_LOADED | 5 | 4 | 5 | 1 | Numeric value 'ID' is not  
recognized |  
+-----+-----+-----+-----+-----+-----+-----+  
  
1 Row(s) produced. Time Elapsed: 0.856s  
ROSHINI#COMPUTE_WH@NEST_DATA.CSV_SCHEMA>select * from CSV_TABLE;  
  
+-----+-----+-----+-----+  
| ID | NAME | DEPT | EMAIL |  
+-----+-----+-----+-----+  
| 1 | John | Sales | John@gmail.com |  
| 2 | Jane | HR | Jane@gmail.com |  
| 3 | Mike | IT | mike@gmail.com |  
| 4 | Jai | Mech | Jai@gmail.com |  
+-----+-----+-----+-----+
```