

Microsoft Windows [Version 10.0.26100.6899]
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```
C:\Users\admin>snowsql -a FSBBSTN-IH05083 -u ROSHINI -p cera@123@123CERA  
cer@123@123CERA is not a valid integer  
Try "snowsql --help" for more information.
```

```
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 management;  
+-----+  
| status |  
|-----|  
| Database MANAGEMENT successfully created. |  
+-----+  
1 Row(s) produced. Time Elapsed: 0.421s  
ROSHINI#COMPUTE_WH@MANAGEMENT.PUBLIC>create schema employment;  
+-----+  
| status |  
|-----|  
| Schema EMPLOYMENT successfully created. |  
+-----+  
1 Row(s) produced. Time Elapsed: 0.638s  
ROSHINI#COMPUTE_WH@MANAGEMENT.EMPLOYMENT>create table  
hotel_management(member_id int,member_name varchar(100));  
+-----+  
| status |  
|-----|  
| Table HOTEL_MANAGEMENT successfully created. |  
+-----+  
1 Row(s) produced. Time Elapsed: 0.484s  
ROSHINI#COMPUTE_WH@MANAGEMENT.EMPLOYMENT>create or replace stage  
segment;  
+-----+  
| status |  
|-----|  
| Stage area SEGMENT successfully created. |  
+-----+  
1 Row(s) produced. Time Elapsed: 0.708s  
ROSHINI#COMPUTE_WH@MANAGEMENT.EMPLOYMENT> PUT  
'file:///C:/Users/admin/Downloads/member_id,member_name.csv' @segment;  
253006 (n/a): File doesn't exist:  
['C:/Users/admin/Downloads/member_id,member_name.csv']  
ROSHINI#COMPUTE_WH@MANAGEMENT.EMPLOYMENT> PUT  
'file:///C:/Users/admin/Downloads/member_id,member_name*.csv'@segment;
```

253006 (n/a): File doesn't exist:
['C:/Users/admin/Downloads/member_id(member_name*.csv']
ROSHINI#COMPUTE_WH@MANAGEMENT.EMPLOYMENT> PUT
'file://C:/Users/admin/Downloads/member_id(member_name/*.csv'@segment;

253006 (n/a): File doesn't exist:
['C:/Users/admin/Downloads/member_id(member_name/*.csv']
ROSHINI#COMPUTE_WH@MANAGEMENT.EMPLOYMENT> PUT
'file://C:/Users/admin/Downloads/member_id(member_name/*.xlsx' @segment;

253006 (n/a): File doesn't exist:
['C:/Users/admin/Downloads/member_id(member_name/*.xlsx']
ROSHINI#COMPUTE_WH@MANAGEMENT.EMPLOYMENT> PUT
'file://C:/snow_assignment1/*.xlsx'@segment;

source	target	source_size	target_size	source_compression	target_compression	status	message
employee.1.xlsx	employee.1.xlsx.gz	8874	6336	NONE		UPLOADED	
employee.2.xlsx	employee.2.xlsx.gz	8886	6352	NONE		UPLOADED	
employee.3.xlsx	employee.3.xlsx.gz	8887	6352	NONE		UPLOADED	
employee.4.xlsx	employee.4.xlsx.gz	8907	6368	NONE		UPLOADED	

4 Row(s) produced. Time Elapsed: 1.119s
ROSHINI#COMPUTE_WH@MANAGEMENT.EMPLOYMENT> PUT
'file://C:/snow_assignment1/*.xlsx'@segment;

253006 (n/a): File doesn't exist: ['C:/snow_assignment1/*.xlsx']
ROSHINI#COMPUTE_WH@MANAGEMENT.EMPLOYMENT> PUT
'file://C:/snow_assignment1/*.csv'@segment;

source	target	source_size	target_size	source_compression	target_compression	status	message
employee-1.csv	employee-1.csv.gz	125	128	NONE		UPLOADED	
employee-2.csv	employee-2.csv.gz	135	128	NONE		UPLOADED	
employee-3.csv	employee-3.csv.gz	143	128	NONE		UPLOADED	
employee-4.csv	employee-4.csv.gz	153	144	NONE		UPLOADED	

```

+-----+-----+-----+-----+
+-----+
4 Row(s) produced. Time Elapsed: 1.806s
ROSHINI#COMPUTE_WH@MANAGEMENT.EMPLOYMENT>CREATE OR REPLACE FILE
FORMAT FF_CCSV
                                         TYPE = 'CSV'

FIELD_OPTIONALLY_ENCLOSED_BY=""
                                         SKIP_HEADER=1
                                         FIELD_DELIMITER =
                                         NULL_IF = ('NULL', 'null');

001003 (42000): SQL compilation error:
syntax error line 6 at position 68 unexpected ''.
parse error line 6 at position 77 near '<EOF>'.

ROSHINI#COMPUTE_WH@MANAGEMENT.EMPLOYMENT>CREATE OR REPLACE FILE
FORMAT FF_CCSV
                                         TYPE =
'csv'

FIELD_OPTIONALLY_ENCLOS
                         ED_BY=""

SKIP_HEADER=1

FIELD_DELIMITER =
                                         NULL_IF
= ('NULL', 'nul
                           ');

001003 (42000): SQL compilation error:
syntax error line 6 at position 109 unexpected ''.
parse error line 6 at position 118 near '<EOF>'.

ROSHINI#COMPUTE_WH@MANAGEMENT.EMPLOYMENT>CREATE OR REPLACE FILE
FORMAT FF_CCSV
                                         TYPE = 'csv'

FIELD_OPTIONALLY_ENCLOSED_BY=""

SKIP_HEADER=1

FIELD_DELIMITER =
                                         NULL_IF =
('NULL', 'null');

+-----+
| status
|-----|
| File format FF_CCSV successfully created. |
+-----+
1 Row(s) produced. Time Elapsed: 0.191s

```

```
ROSHINI#COMPUTE_WH@MANAGEMENT.EMPLOYMENT>copy into hotel_management  
from @segment
```

```
        FILE_FORMAT = (FORMAT_NAME = 'FF_CSV')  
        ON_ERROR = 'CONTINUE';  
+-----+-----+-----+-----+-----+  
-----+-----+-----+-----+-----+  
| file          | status    | rows_parsed | rows_loaded | error_limit | errors_seen |  
first_error  
| first_error_line | first_error_character | first_error_column_name      |  
|-----+-----+-----+-----+-----+  
-----+-----+-----+-----+  
| segment/employee.2.xlsx.gz | LOAD_FAILED |      26 |      0 |      26 |      26 |  
Number of columns in file (1) does not match that of the corresponding table (2), use file  
format option error_on_column_count_mismatch=false to ignore this error |      3 |  
1 | "HOTEL_MANAGEMENT"[ "MEMBER_ID":1] |  
| segment/employee.3.xlsx.gz | LOAD_FAILED |      20 |      0 |      20 |      20 |  
Number of columns in file (1) does not match that of the corresponding table (2), use file  
format option error_on_column_count_mismatch=false to ignore this error |      3 |  
1 | "HOTEL_MANAGEMENT"[ "MEMBER_ID":1] |  
| segment/employee-3.csv.gz | LOAD_FAILED |      5 |      0 |      5 |      5 |  
Number of columns in file (4) does not match that of the corresponding table (2), use file  
format option error_on_column_count_mismatch=false to ignore this error |      3 |  
1 | "HOTEL_MANAGEMENT"[4]      |  
| segment/employee-2.csv.gz | LOAD_FAILED |      5 |      0 |      5 |      5 |  
Number of columns in file (4) does not match that of the corresponding table (2), use file  
format option error_on_column_count_mismatch=false to ignore this error |      3 |  
1 | "HOTEL_MANAGEMENT"[4]      |  
| segment/employee-1.csv.gz | LOAD_FAILED |      5 |      0 |      5 |      5 |  
Number of columns in file (4) does not match that of the corresponding table (2), use file  
format option error_on_column_count_mismatch=false to ignore this error |      3 |  
1 | "HOTEL_MANAGEMENT"[4]      |  
| segment/employee.1.xlsx.gz | LOAD_FAILED |      21 |      0 |      21 |      21 |  
Number of columns in file (1) does not match that of the corresponding table (2), use file  
format option error_on_column_count_mismatch=false to ignore this error |      3 |  
1 | "HOTEL_MANAGEMENT"[ "MEMBER_ID":1] |  
| segment/employee.4.xlsx.gz | LOAD_FAILED |      21 |      0 |      21 |      21 |  
Number of columns in file (1) does not match that of the corresponding table (2), use file  
format option error_on_column_count_mismatch=false to ignore this error |      3 |  
1 | "HOTEL_MANAGEMENT"[ "MEMBER_ID":1] |  
| segment/employee-4.csv.gz | LOAD_FAILED |      5 |      0 |      5 |      5 |  
Number of columns in file (4) does not match that of the corresponding table (2), use file  
format option error_on_column_count_mismatch=false to ignore this error |      3 |  
1 | "HOTEL_MANAGEMENT"[4]      |  
+-----+-----+-----+-----+-----+
```

8 Row(s) produced. Time Elapsed: 2.484s

```
ROSHINI#COMPUTE_WH@MANAGEMENT.EMPLOYMENT>select*from hotel_management;
```

```
+-----+  
| MEMBER_ID | MEMBER_NAME |  
+-----+-----|  
+-----+-----+
```

0 Row(s) produced. Time Elapsed: 0.447s

```
ROSHINI#COMPUTE_WH@MANAGEMENT.EMPLOYMENT>create table employee(id int, name varchar(50), dept varchar(50), email varchar(50));
```

```
+-----+  
| status |  
+-----+  
| Table EMPLOYEE successfully created. |  
+-----+
```

1 Row(s) produced. Time Elapsed: 0.476s

```
ROSHINI#COMPUTE_WH@MANAGEMENT.EMPLOYMENT>COPY INTO employee  
      FROM @segment  
      FILE_FORMAT = (FORMAT_NAME = 'FF_CSV')  
      ON_ERROR = 'CONTINUE';
```

```
+-----+-----+-----+-----+-----+  
-----+-----+-----+-----+-----+  
| file | status | rows_parsed | rows_loaded | error_limit | errors_seen |  
| first_error |  
| first_error_line | first_error_character | first_error_column_name |  
|-----+-----+-----+-----+-----+  
-----+-----+-----+-----+  
| segment/employee-1.csv.gz | PARTIALLY_LOADED | 5 | 4 | 5 | 1 |  
Numeric value 'ID"' is not recognized  
| 2 | 1 | "EMPLOYEE"[{"ID":1}] |  
| segment/employee-4.csv.gz | PARTIALLY_LOADED | 5 | 4 | 5 | 1 |  
Numeric value 'ID"' is not recognized  
| 2 | 1 | "EMPLOYEE"[{"ID":1}] |  
| segment/employee-3.csv.gz | PARTIALLY_LOADED | 5 | 4 | 5 | 1 |  
Numeric value 'ID"' is not recognized  
| 2 | 1 | "EMPLOYEE"[{"ID":1}] |  
| segment/employee-2.csv.gz | PARTIALLY_LOADED | 5 | 4 | 5 | 1 |  
Numeric value 'ID"' is not recognized  
| 2 | 1 | "EMPLOYEE"[{"ID":1}] |  
| segment/employee.4.xlsx.gz | LOAD_FAILED | 21 | 0 | 21 | 21 |  
Number of columns in file (1) does not match that of the corresponding table (4), use file  
format option error_on_column_count_mismatch=false to ignore this error | 3 |  
1 | "EMPLOYEE"[{"ID":1}] |  
| segment/employee.2.xlsx.gz | LOAD_FAILED | 26 | 0 | 26 | 26 |  
Number of columns in file (1) does not match that of the corresponding table (4), use file
```

```

format option error_on_column_count_mismatch=false to ignore this error |      3 |
1 | "EMPLOYEE"[{"ID":1}    |
| segment/employee.1.xlsx.gz | LOAD_FAILED |      21 |      0 |      21 |      21 |
Number of columns in file (1) does not match that of the corresponding table (4), use file
format option error_on_column_count_mismatch=false to ignore this error |      3 |
1 | "EMPLOYEE"[{"ID":1}    |
| segment/employee.3.xlsx.gz | LOAD_FAILED |      20 |      0 |      20 |      20 |
Number of columns in file (1) does not match that of the corresponding table (4), use file
format option error_on_column_count_mismatch=false to ignore this error |      3 |
1 | "EMPLOYEE"[{"ID":1}    |
+-----+-----+-----+-----+-----+
-----+-----+-----+-----+

```

8 Row(s) produced. Time Elapsed: 3.628s

ROSHINI#COMPUTE_WH@MANAGEMENT.EMPLOYMENT>select*from employee;

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
15	manavalan	Sales	manavalan@gmail.com
16	sojan	HR	sojan@gmail.com
17	praveen	IT	praveen@gmail.com
18	ganesh	Mech	ganesh@gmail.com
11	shilpa	Sales	shilpa@gmail.com
12	shri	HR	shri@gmail.com
13	roshini	IT	roshini@gmail.com
14	kawin	Mech	kawin@gmail.com
5	kishore	Sales	kishore@gmail.com
6	ram	HR	ram@gmail.com
7	ramesh	IT	ramesh@gmail.com
8	prem	Mech	prem@gmail.com

16 Row(s) produced. Time Elapsed: 1.164s

ROSHINI#COMPUTE_WH@MANAGEMENT.EMPLOYMENT>create or replace stage control;

status

| Stage area CONTROL successfully created. |

1 Row(s) produced. Time Elapsed: 0.940s

ROSHINI#COMPUTE_WH@MANAGEMENT.EMPLOYMENT> PUT PUT

'file://C:/snow_assignment1/*.xlsx'@control;

001003 (42000): SQL compilation error:

syntax error line 1 at position 5 unexpected 'PUT'.

```

syntax error line 1 at position 44 unexpected '@control'.
ROSHINI#COMPUTE_WH@MANAGEMENT.EMPLOYMENT> PUT
'file://C:/snow_assignment1/*.xlsx'@control;
253006 (n/a): File doesn't exist: ['C:/snow_assignment1/*.xlsx']
ROSHINI#COMPUTE_WH@MANAGEMENT.EMPLOYMENT> PUT
'file://C:/snow_assignment1/*.csv'@control;
+-----+-----+-----+-----+-----+
+-----+
| source      | target      | source_size | target_size | source_compression |
| target_compression | status | message |
+-----+-----+-----+-----+-----+
| employee-1.csv | employee-1.csv.gz |     125 |     128 | NONE           | GZIP
| UPLOADED |      |           |
| employee-2.csv | employee-2.csv.gz |     135 |     128 | NONE           | GZIP
| UPLOADED |      |           |
| employee-3.csv | employee-3.csv.gz |     143 |     128 | NONE           | GZIP
| UPLOADED |      |           |
| employee-4.csv | employee-4.csv.gz |     153 |     144 | NONE           | GZIP
| UPLOADED |      |           |
+-----+-----+-----+-----+-----+
+-----+
4 Row(s) produced. Time Elapsed: 1.287s
ROSHINI#COMPUTE_WH@MANAGEMENT.EMPLOYMENT>copy into employee(id,name)
from(select $1,$2 from @control/employee-1.csv)file_formate = (formate_name = 'FF_CS'
)on_error = 'CONTINUE';
001006 (22023): SQL compilation error:
invalid parameter 'file_formate'
ROSHINI#COMPUTE_WH@MANAGEMENT.EMPLOYMENT>COPY INTO employee(id,
name)
                                         FROM (select
$1,$2 from @control/em
                                     ployee-1.csv)
                                         FILE_FORMAT =
(FORMAT_NAME = 'FF_CS
V')
                                         ON_ERROR =
'CONTINUE';
+-----+-----+-----+-----+-----+
+-----+
| file      | status      | rows_parsed | rows_loaded | error_limit | errors_seen |
| first_error | first_error_line | first_error_character | first_error_column_name |
+-----+-----+-----+-----+-----+
+-----+
| control/employee-1.csv.gz | PARTIALLY_LOADED |      5 |      4 |      5 |      1 |
| Numeric value 'ID'" is not recognized |          2 |           1 | "EMPLOYEE"["ID":1] |
+-----+-----+-----+-----+-----+
+-----+

```

1 Row(s) produced. Time Elapsed: 2.654s

ROSHINI#COMPUTE_WH@MANAGEMENT.EMPLOYMENT>select*from employee;

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
15	manavalan	Sales	manavalan@gmail.com
16	sojan	HR	sojan@gmail.com
17	praveen	IT	praveen@gmail.com
18	ganesh	Mech	ganesh@gmail.com
11	shilpa	Sales	shilpa@gmail.com
12	shri	HR	shri@gmail.com
13	roshini	IT	roshini@gmail.com
14	kawin	Mech	kawin@gmail.com
5	kishore	Sales	kishore@gmail.com
6	ram	HR	ram@gmail.com
7	ramesh	IT	ramesh@gmail.com
8	prem	Mech	prem@gmail.com
1	John	NULL	NULL
2	Jane	NULL	NULL
3	Mike	NULL	NULL
4	Jai	NULL	NULL

20 Row(s) produced. Time Elapsed: 0.283s

ROSHINI#COMPUTE_WH@MANAGEMENT.EMPLOYMENT>DESC employee ;

name	type	kind	null?	default	primary key	unique key	check	expression	comment	policy name	privacy domain
ID	NUMBER(38,0)	COLUMN	Y	NULL	N	N		NULL	NULL		
NULL	NULL	NULL									
NAME	VARCHAR(50)	COLUMN	Y	NULL	N	N		NULL	NULL		
NULL	NULL	NULL									
DEPT	VARCHAR(50)	COLUMN	Y	NULL	N	N		NULL	NULL		
NULL	NULL	NULL									
EMAIL	VARCHAR(50)	COLUMN	Y	NULL	N	N		NULL	NULL		
NULL	NULL	NULL									

4 Row(s) produced. Time Elapsed: 0.787s

ROSHINI#COMPUTE_WH@MANAGEMENT.EMPLOYMENT>create database json_file;

+-----+

```

| status           |
+-----+
| Database JSON_FILE successfully created. |
+-----+
1 Row(s) produced. Time Elapsed: 0.610s
ROSHINI#COMPUTE_WH@JSON_FILE.PUBLIC>create or replace stage json_stage;
+-----+
| status           |
+-----+
| Stage area JSON_STAGE successfully created. |
+-----+
1 Row(s) produced. Time Elapsed: 0.769s
ROSHINI#COMPUTE_WH@JSON_FILE.PUBLIC>CREATE OR REPLACE FILE FORMAT
FF_JSON_FLAT
    TYPE = 'JSON'
    STRIP_OUTER_ARRAY = FALSE;
+-----+
| status           |
+-----+
| File format FF_JSON_FLAT successfully created. |
+-----+
1 Row(s) produced. Time Elapsed: 0.209s
ROSHINI#COMPUTE_WH@JSON_FILE.PUBLIC>CREATE OR REPLACE TABLE
EMP_FLAT_JSON (
    ID INT,
    Name STRING,
    Dept STRING,
    Email STRING
);
+-----+
| status           |
+-----+
| Table EMP_FLAT_JSON successfully created. |
+-----+
1 Row(s) produced. Time Elapsed: 0.329s
ROSHINI#COMPUTE_WH@JSON_FILE.PUBLIC>put
'file:///c:/Users/admin/Downloads/employee_flat.json.txt' @json
    n_stage;
+-----+-----+-----+-----+-----+
| source          | target          | source_size | target_size | source_compression |
| target_compression | status | message |
+-----+-----+-----+-----+-----+
| employee_flat.json.txt | employee_flat.json.txt.gz |      239 |      176 | NONE      |
| GZIP            | UPLOADED |      |      |
+-----+-----+-----+-----+-----+

```

```

1 Row(s) produced. Time Elapsed: 2.427s
ROSHINI#COMPUTE_WH@JSON_FILE.PUBLIC>COPY INTO EMP_FLAT_JSON
    FROM @json_stage/employee_flat.json
    FILE_FORMAT = (FORMAT_NAME = 'FF_JSON_FLAT')
    ON_ERROR = 'CONTINUE';
002019 (0A000): SQL compilation error:
JSON file format can produce one and only one column of type variant, object, or array.
Load data into separate columns using the MATCH_BY_COLUMN_NAME copy option or
copy with transformation.
ROSHINI#COMPUTE_WH@JSON_FILE.PUBLIC>put
'file://"C:/Users/admin/Downloads/employee_flat.txt' @json_st
age;
253006 (n/a): File doesn't exist: ["C:/Users/admin/Downloads/employee_flat.txt"]
ROSHINI#COMPUTE_WH@JSON_FILE.PUBLIC>CREATE OR REPLACE TABLE
EMP_FLAT_JSON (
    RAW VARIANT
);

+-----+
| status |
+-----+
| Table EMP_FLAT_JSON successfully created. |
+-----+
1 Row(s) produced. Time Elapsed: 0.256s

ROSHINI#COMPUTE_WH@JSON_FILE.PUBLIC>COPY INTO EMP_FLAT_JSON
    FROM @json_stage/employee_flat.json
    FILE_FORMAT = (FORMAT_NAME = 'FF_JSON_FLAT')
    ON_ERROR = 'CONTINUE';
+-----+-----+-----+-----+-----+
+-----+-----+-----+-----+-----+
| file | status | rows_parsed | rows_loaded | error_limit |
| errors_seen | first_error | first_error_line | first_error_character |
| first_error_column_name |
+-----+-----+-----+-----+-----+
+-----+-----+-----+-----+-----+
| json_stage/employee_flat.json.gz | PARTIALLY_LOADED | 5 | 3 | 5 |
| 2 | Error parsing JSON: unknown keyword "employee_flat" | 1 | 14 |
RAW |
+-----+-----+-----+-----+-----+
+-----+-----+-----+-----+-----+
1 Row(s) produced. Time Elapsed: 2.398s
ROSHINI#COMPUTE_WH@JSON_FILE.PUBLIC>
ROSHINI#COMPUTE_WH@JSON_FILE.PUBLIC>select * from EMP_FLAT_JSON;
+-----+
| RAW |
+-----+
| { |

```

```

| "Dept": "Sales",      |
| "Email": "john@example.com", |
| "ID": 1,              |
| "Name": "John"       |
| }                   |
| {                   |
| "Dept": "HR",        |
| "Email": "jane@example.com", |
| "ID": 2,              |
| "Name": "Jane"       |
| }                   |
| {                   |
| "Dept": "IT",         |
| "Email": "mike@example.com", |
| "ID": 3,              |
| "Name": "Mike"        |
| }                   |
+-----+

```

3 Row(s) produced. Time Elapsed: 2.293s

```

ROSHINI#COMPUTE_WH@JSON_FILE.PUBLIC>SELECT
    RAW:ID::INT AS ID,
    RAW:Name::STRING AS Name,
    RAW:Dept::STRING AS Dept
    FROM EMP_NESTED_JSON;

```

002003 (42S02): SQL compilation error:

Object 'EMP_NESTED_JSON' does not exist or not authorized.

```

ROSHINI#COMPUTE_WH@JSON_FILE.PUBLIC>SELECT
    RAW:ID::INT AS ID,
    RAW:Name::STRING AS Name,
    RAW:Dept::STRING AS Dept,RAW:email::string as email
    FROM EMP_NESTED_JSON;

```

002003 (42S02): SQL compilation error:

Object 'EMP_NESTED_JSON' does not exist or not authorized.

```

ROSHINI#COMPUTE_WH@JSON_FILE.PUBLIC>SELECT
    RAW:ID::INT AS ID,
    RAW:Name::STRING AS Name,
    RAW:Dept::STRING AS Dept,
    FROM EMP_FLAT_JSON;

```

ID	NAME	DEPT
1	John	Sales
2	Jane	HR

```
| 3 | Mike | IT  |  
+---+-----+
```

3 Row(s) produced. Time Elapsed: 0.260s

```
ROSHINI#COMPUTE_WH@JSON_FILE.PUBLIC>create database nested_json;
```

```
+-----+
```

```
| status          |  
+-----|
```

```
| Database NESTED_JSON successfully created. |
```

```
ROSHINI#COMPUTE_WH@NESTED_JSON.PUBLIC>create schema json_file;
```

```
+-----+
```

```
| status          |  
+-----|
```

```
| Schema JSON_FILE successfully created. |
```

```
+-----+
```

1 Row(s) produced. Time Elapsed: 0.138s

```
ROSHINI#COMPUTE_WH@NESTED_JSON.JSON_FILE>create or replace stage  
json_stage;
```

```
+-----+
```

```
| status          |  
+-----|
```

```
| Stage area JSON_STAGE successfully created. |
```

```
+-----+
```

1 Row(s) produced. Time Elapsed: 0.304s

```
ROSHINI#COMPUTE_WH@NESTED_JSON.JSON_FILE>create or replace file fORMAT  
FF_SON_FLAT TYPE = 'JSON';
```

```
+-----+
```

```
| status          |  
+-----|
```

```
| File format FF_SON_FLAT successfully created. |
```

```
+-----+
```

1 Row(s) produced. Time Elapsed: 0.343s

```
ROSHINI#COMPUTE_WH@NESTED_JSON.JSON_FILE>CREATE OR REPLACE TABLE  
JSON_NESTED;
```

001003 (42000): SQL compilation error:

syntax error line 1 at position 35 unexpected ';'.

```
ROSHINI#COMPUTE_WH@NESTED_JSON.JSON_FILE>CREATE OR REPLACE TABLE  
JSON_NESTED (VALUE VARIANT);
```

```
+-----+
```

```
| status          |  
+-----|
```

```
| Table JSON_NESTED successfully created. |
```

```
+-----+
```

1 Row(s) produced. Time Elapsed: 0.270s

```
ROSHINI#COMPUTE_WH@NESTED_JSON.JSON_FILE>PUT
```

'file://C:/Users/admin/Downloads/nested.json' @json_file;

002003 (02000): SQL compilation error:

Stage 'NESTED_JSON.JSON_FILE.JSON_FILE' does not exist or not authorized.


```
1 Row(s) produced. Time Elapsed: 0.240s
ROSHINI#COMPUTE_WH@NESTED_JSON.JSON_FILE>COPY INTO JSON_NESTED
                                         FROM @json_STAGE/nested.json
                                         FILE_FORMAT = (FORMAT_NAME =
'FF_SON_FLAT')
                                         ON_ERROR = 'CONTINUE';
+-----+-----+-----+-----+-----+
| file | status | rows_parsed | rows_loaded | error_limit | errors_seen | first_error
| first_error_line | first_error_character | first_error_column_name |
+-----+-----+-----+-----+-----+-----+
| json_stage/nested.json.gz | LOADED | 2 | 2 | 2 | 0 | NULL |
NULL | NULL | NULL | +-----+-----+
+-----+-----+
1 Row(s) produced. Time Elapsed: 3.075s
ROSHINI#COMPUTE_WH@NESTED_JSON.JSON_FILE>SELECT * FROM
JSON_NESTED;
+-----+
| VALUE |
+-----+
| { |
|   "Contacts": { |
|     "Email": "john@example.com", |
|     "Phone": "1234567890" |
|   }, |
|   "Dept": "Sales", |
|   "ID": 1, |
|   "Name": "John", |
|   "Projects": [ |
|     { |
|       "ProjectID": 101, |
|       "ProjectName": "ProjectA" |
|     }, |
|     { |
|       "ProjectID": 102, |
|       "ProjectName": "ProjectB" |
|     } |
|   ] |
| } |
| { |
|   "Contacts": { |
|     "Email": "jane@example.com", |
|     "Phone": "9876543210" |
|   } |
| } |
```

```

| },
| "Dept": "HR",
| "ID": 2,
| "Name": "Jane",
| "Projects": [
| {
|   "ProjectID": 201,
|   "ProjectName": "ProjectX"
| }
| ]
| }
+-----+

```

2 Row(s) produced. Time Elapsed: 1.303s

```

ROSHINI#COMPUTE_WH@NESTED_JSON.JSON_FILE>SELECT
                                         VALUE:PROJECTS::STRING AS
PROJECTS,
                                         VALUE:ID::INT AS ID

```

```
FROM JSON_NESTED;
```

```
+-----+---+
| PROJECTS | ID |
+-----+---+
| NULL    | 1 |
| NULL    | 2 |
+-----+---+
```

2 Row(s) produced. Time Elapsed: 1.734s

```

ROSHINI#COMPUTE_WH@NESTED_JSON.JSON_FILE>SELECT
                                         VALUE:PROJECTS AS PROJECTS,
                                         VALUE:ID AS ID

```

```
FROM JSON_NESTED;
```

```
+-----+---+
| PROJECTS | ID |
+-----+---+
| NULL    | 1 |
| NULL    | 2 |
+-----+---+
```

2 Row(s) produced. Time Elapsed: 2.055s

```

ROSHINI#COMPUTE_WH@NESTED_JSON.JSON_FILE>SELECT
                                         VALUE:PROJECTS::ARRAY AS
PROJECTS,
                                         VALUE:ID ::INT AS ID

```

```
FROM JSON_NESTED;
```

```
+-----+---+
| PROJECTS | ID |
+-----+---+
| NULL    | 1 |
+-----+---+
```

```
| NULL | 2 |
+-----+---+
```

2 Row(s) produced. Time Elapsed: 0.227s

```
ROSHINI#COMPUTE_WH@NESTED_JSON.JSON_FILE>SELECT
                                         VALUE:PROJECTS::VARCHAR() AS
PROJECTS,
                                         VALUE:ID ::INT AS ID

                                         FROM JSON_NESTED;
```

```
+-----+---+
| PROJECTS | ID |
+-----+---+
| NULL    | 1 |
| NULL    | 2 |
+-----+---+
```

2 Row(s) produced. Time Elapsed: 0.246s

```
ROSHINI#COMPUTE_WH@NESTED_JSON.JSON_FILE>SELECT
                                         VALUE:PROJECTS::VARCHAR() AS
PROJECTS,
                                         VALUE:ID ::INT AS ID

                                         FROM JSON_NESTED;
```

```
+-----+---+
| PROJECTS | ID |
+-----+---+
| NULL    | 1 |
| NULL    | 2 |
+-----+---+
```

2 Row(s) produced. Time Elapsed: 0.830s

```
ROSHINI#COMPUTE_WH@NESTED_JSON.JSON_FILE>SELECT
                                         VALUE:PROJECTS::ARRAY[0],[1] AS
PROJECTS,
                                         VALUE:ID ::INT AS ID

                                         FROM JSON_NESTED;
```

```
+-----+-----+---+
| VALUE:PROJECTS::ARRAY[0] | PROJECTS | ID |
+-----+-----+---+
| NULL          | [   | 1 |
|             | 1   |   |
|             | ]   |   |
| NULL          | [   | 2 |
|             | 1   |   |
|             | ]   |   |
+-----+-----+---+
```

2 Row(s) produced. Time Elapsed: 0.263s

```
ROSHINI#COMPUTE_WH@NESTED_JSON.JSON_FILE>SELECT VALUE:ID::INT,
                                         VALUE:PROJECTS[0]:PROJECTID::INT AS PRJ_ID, VALUE:PROJECTS[0]
```

```

        /
        ;].PROJECTNAME::STRING as projectname,
001003 (42000): SQL compilation error:
syntax error line 3 at position 0 unexpected ','.
001003 (42000): SQL compilation error:
syntax error line 1 at position 0 unexpected ']'.
ROSHINI#COMPUTE_WH@NESTED_JSON.JSON_FILE>SELECT VALUE:ID::INT,
VALUE:PROJECTS[0]:PROJECTID::INT AS PRJ_ID_0,
VALUE:PROJECTS[0].PROJECTNAME::STRING as projectname_0,
                                VALUE:PROJECTS[1]:PROJECTID::INT AS PRJ_ID_1,
VALUE:PROJECTS[1].PROJECTNAME::STRING as projectname_2 from JSON_NESTED;
+-----+-----+-----+-----+
| VALUE:ID::INT | PRJ_ID_0 | PROJECTNAME_0 | PRJ_ID_1 | PROJECTNAME_2 |
|-----+-----+-----+-----+-----|
|      1 |    NULL |    NULL      |    NULL |    NULL      |
|      2 |    NULL |    NULL      |    NULL |    NULL      |
+-----+-----+-----+-----+
2 Row(s) produced. Time Elapsed: 1.880s
ROSHINI#COMPUTE_WH@NESTED_JSON.JSON_FILE>SELECT
        VALUE:ID::INT AS EmployeeID,
        p.value:ProjectID::INT AS ProjectID,
        p.value:ProjectName::STRING AS ProjectName
        FROM EMP_NESTED_JSON,
        LATERAL FLATTEN(input => VALUE:Projects) p
;

002003 (42S02): SQL compilation error:
Object 'EMP_NESTED_JSON' does not exist or not authorized.
ROSHINI#COMPUTE_WH@NESTED_JSON.JSON_FILE>SELECT
        VALUE:ID::INT AS EmployeeID,
        p.value:ProjectID::INT AS ProjectID,
        p.value:ProjectName::STRING AS ProjectName
        FROM NESTED_JSON,
        LATERAL FLATTEN(input => VALUE:Projects) p
;

002003 (42S02): SQL compilation error:
Object 'NESTED_JSON' does not exist or not authorized.
ROSHINI#COMPUTE_WH@NESTED_JSON.JSON_FILE>SELECT
        VALUE:ID::INT AS EmployeeID,
        p.value:ProjectID::INT AS ProjectID,
        p.value:ProjectName::STRING AS ProjectName
        FROM JSON_NESTED,
        LATERAL FLATTEN(input => VALUE:Projects) p
;

002028 (42601): SQL compilation error:
ambiguous column name 'VALUE'

```

```

ROSHINI#COMPUTE_WH@NESTED_JSON.JSON_FILE>SELECT
    VALUE:ID::INT AS EmployeeID,
    p.value:ProjectID::INT AS ProjectID,
    p.value:ProjectName::STRING AS ProjectName
FROM JSON_NESTED,
LATERAL FLATTEN(input => VALUE:Projects) p

;

002028 (42601): SQL compilation error:
ambiguous column name 'VALUE'
ROSHINI#COMPUTE_WH@NESTED_JSON.JSON_FILE>SELECT * FROM
JSON_NESTED;
+-----+
| VALUE          |
+-----|
| {              |
|   "Contacts": { |
|     "Email": "john@example.com", |
|     "Phone": "1234567890"       |
|   },            |
|   "Dept": "Sales",           |
|   "ID": 1,                 |
|   "Name": "John",            |
|   "Projects": [             |
|     {                  |
|       "ProjectID": 101,      |
|       "ProjectName": "ProjectA" |
|     },                |
|     {                  |
|       "ProjectID": 102,      |
|       "ProjectName": "ProjectB" |
|     }                |
|   ]              |
| }              |
| {              |
|   "Contacts": { |
|     "Email": "jane@example.com", |
|     "Phone": "9876543210"       |
|   },            |
|   "Dept": "HR",           |
|   "ID": 2,                 |
|   "Name": "Jane",            |
|   "Projects": [             |
|     {                  |
|       "ProjectID": 201,      |
|       "ProjectName": "ProjectX" |
|     }                |
|   ]              |
| }              |

```

```

|} |  

+-----+
2 Row(s) produced. Time Elapsed: 0.197s
ROSHINI#COMPUTE_WH@NESTED_JSON.JSON_FILE>SELECT
    j.VALUE:ID::INT AS EmployeeID,
    p.VALUE:ProjectID::INT AS ProjectID,
    p.VALUE:ProjectName::STRING AS ProjectName
    FROM JSON_NESTED j,
    LATERAL FLATTEN(input => j.VALUE:Projects) p;
+-----+-----+-----+
| EMPLOYEEID | PROJECTID | PROJECTNAME |  

+-----+-----+-----|
| 1 | 101 | ProjectA |  

| 1 | 102 | ProjectB |  

| 2 | 201 | ProjectX |  

+-----+-----+-----+
3 Row(s) produced. Time Elapsed: 2.257s
ROSHINI#COMPUTE_WH@NESTED_JSON.JSON_FILE>create table nested_json as
SELECT
    j.VALUE:ID::INT AS EmployeeID,
    p.VALUE:ProjectID::INT AS ProjectID,
    p.VALUE:ProjectName::STRING AS
    ProjectName
    FROM JSON_NESTED j,
    LATERAL FLATTEN(input =>
    j.VALUE:Projects) p;

+-----+
| status |  

+-----+
| Table NESTED_JSON successfully created. |  

+-----+
1 Row(s) produced. Time Elapsed: 2.722s
ROSHINI#COMPUTE_WH@NESTED_JSON.JSON_FILE>select * from nested_json;
+-----+-----+-----+
| EMPLOYEEID | PROJECTID | PROJECTNAME |  

+-----+-----+-----|
| 1 | 101 | ProjectA |  

| 1 | 102 | ProjectB |  

| 2 | 201 | ProjectX |  

+-----+-----+-----+
3 Row(s) produced. Time Elapsed: 1.334s
ROSHINI#COMPUTE_WH@NESTED_JSON.JSON_FILE>create table nested_json as
SELECT
    j.VALUE:ID::INT AS EmployeeID,
    p.VALUE:ProjectID::INT AS ProjectID,
    p.VALUE:ProjectName::STRING AS
    ProjectName

```

```
FROM JSON_NESTED j,
LATERAL FLATTEN(input =>
j.VALUE:Projects) p;
```