Use database assign13\_db;

CREATE OR REPLACE STAGE MY\_S3\_STAGE

URL='s3://sf-mig-bucket3/sunilexternaltable3/'

CREDENTIALS=(AWS\_KEY\_ID='AKIAU6GD3NDDSX4XJWN5' AWS\_SECRET\_KEY='LqjotntCLow95rUgWTKlZ6H3vE/cHTsLGXEgJ+Ph');

create or replace table PERSON\_NESTED(person\_data VARIANT);

CREATE OR REPLACE PIPE person\_pipe AUTO\_INGEST = TRUE AS

COPY INTO PERSON\_NESTED

FROM (

SELECT

OBJECT\_CONSTRUCT(

'ID', $1,

'Name', $2,

'Age', $3,

'Location', $4,

'Zip', IFF($5 = '' OR $5 IS NULL, '00000', $5),

'Filename', METADATA$FILENAME,

'FileRowNumber', METADATA$FILE\_ROW\_NUMBER,

'IngestedTimestamp', TO\_TIMESTAMP\_NTZ(CURRENT\_TIMESTAMP)

) AS person

FROM @MY\_S3\_STAGE

)

ON\_ERROR = CONTINUE;

/\*

f. Subscribe the Snowflake SQS Queue in s3:

\*/

show pipes;

/\*g. Test Snowpipe by copying the sample JSON file and upload the file to s3 in path\*/

alter pipe person\_pipe refresh;

select system$pipe\_status('person\_pipe');

select \* from PERSON\_NESTED;

select \* from table (information\_schema.  
copy\_history(table\_name=>'person\_sourcedata',  
start\_time=>dateadd(hours,-1, current\_timestamp())));

select \* from customer.public.person\_sourcedata;

-- Create a stream object  
create or replace stream customer.public.person\_stream   
on table customer.public.person\_sourcedata;

--Creating a table to Load the unnested data from the table person\_sourcedata.  
create or replace table customer.public.person\_unnested(  
  id int,  
  name varchar,  
  age number,  
  location varchar,  
  zip number);

  --Creating a Task  
  CREATE OR REPLACE TASK customer.public.person\_task  
  WAREHOUSE = COMPUTE\_WH  
  SCHEDULE = '1 MINUTE'  
  when system$stream\_has\_data('customer.public.person\_stream')  
AS  
INSERT INTO customer.public.person\_unnested  
select input\_data:id::int, input\_data:name::varchar, input\_data:age::number,  
input\_data:location::varchar,input\_data:zip::number  
from customer.public.person\_sourcedata;

select \* from customer.public.person\_unnested;  
  
select \* from customer.public.person\_sourcedata;  
select \* from customer.public.person\_stream;

select \* from customer.public.person\_sourcedata;