

```

//creating database
create database b4;

//creating schema
create schema miniproject;

//table creation
CREATE OR REPLACE TABLE DEPT_EMP_ADDR (
    xmldata VARIANT NOT NULL
);

-- Loading through snowflake web ui

-- Smoke test
SELECT * FROM DEPT_EMP_ADDR;

//feteching/querying data Using the in-built XMLGET() function.
//The XMLGET() function takes three arguments:
//name of a variant,name of the tag,optional instance number
SELECT
    GET( XMLGET( xmldata, 'dept_id'), '$')::INTEGER as deptID,
    XMLGET( xmldata, 'dept_id' ):"$":INTEGER AS DEPT_ID,
    XMLGET( xmldata, 'dept_name' ):"$":STRING AS DEPT_NAME
FROM DEPT_EMP_ADDR;
//flatten
select
    XMLGET( xmldata, 'dept_id' ):"$":string AS dept_id
    , XMLGET( xmldata, 'dept_name' ):"$":string AS dept_name
    , XMLGET( emp.value, 'emp_id' ):"$":integer as emp_id
    , XMLGET( emp.value, 'emp_fname' ):"$":string as emp_fname
    , XMLGET( emp.value, 'emp_lname' ):"$":string as emp_lname
    , XMLGET( emp.value, 'emp_title' ):"$":string as emp_title
    , XMLGET( emp.value, 'emp_ssn' ):"$":string as emp_ssn
from
    dept_emp_addr
    , lateral FLATTEN(dept_emp_addr.xmldata:"$") emp
where GET( emp.value, '@') = 'employee'
order by dept_id, emp_id;

```