```
-- RAW.CONFORMED.DATEDIMENSIONRAW.CONFORMED.DATEDIMENSION
-- create databases
create database if not exists raw;

--create schemas
create schema if not exists raw.stackoverflow;
create schema if not exists raw.conformed;


-- define file formats
create or replace file format RAW.PUBLIC.PARQUET
    TYPE = parquet
    REPLACE_INVALID_CHARACTERS = TRUE;



-- create stages
-- varying file formats
CREATE or replace STAGE RAW.PUBLIC.externalworld_files
  URL = 'azure://externalworld.blob.core.windows.net/files/';

-- these are all parquet file formats
CREATE or replace STAGE RAW.PUBLIC.externalworld_database
  URL = 'azure://externalworld.blob.core.windows.net/database/'
  FILE_FORMAT = RAW.PUBLIC.PARQUET ;


-- stage the date dimension
CREATE or REPLACE TABLE raw.conformed.datedimension (
    datekey int
    ,date date
    ,datetime timestamp
    ,year int
    ,quarter int
    ,quartername varchar(2)
    ,month int
    ,monthname varchar(3)
    ,day int
    ,dayofweek int
    ,dayname varchar(3)
    ,weekday varchar(1)
    ,weekofyear int
    ,dayofyear int
) AS
    WITH CTE_MY_DATE AS (
    SELECT DATEADD(DAY, SEQ4(), '1990-01-01 00:00:00') AS MY_DATE
    FROM TABLE(GENERATOR(ROWCOUNT=>365*30))
    )
    SELECT
    REPLACE(TO_DATE(MY_DATE)::varchar,'-','')::int  as datekey,
    TO_DATE(MY_DATE) as date
    ,TO_TIMESTAMP(MY_DATE) as datetime
    ,YEAR(MY_DATE) as year
    ,QUARTER(MY_DATE) as quarter
    ,CONCAT('Q', QUARTER(MY_DATE)::varchar) as quartername
    ,MONTH(MY_DATE) as month
    ,MONTHNAME(MY_DATE) as monthname
    ,DAY(MY_DATE) as day
    ,DAYOFWEEK(MY_DATE) as dayofweek
    ,DAYNAME(MY_DATE) as dayname
    ,case when DAYOFWEEK(MY_DATE) between 1 and 5 then 'Y' else 'N' end as weekday
    ,WEEKOFYEAR(MY_DATE) as weekofyear
    ,DAYOFYEAR(MY_DATE) as dayofyear
    FROM CTE_MY_DATE
    ;

-- stage stackoverflow badges

create or replace table RAW.STACKOVERFLOW.badges
(
    id int,
    name varchar,
    userid int,
    date varchar
);
copy into RAW.stackoverflow.badges
    FROM '@RAW.PUBLIC.externalworld_database/stackoverflow.badges.parquet'
    MATCH_BY_COLUMN_NAME='CASE_INSENSITIVE';


-- stage stackoverflow comments
create or replace table RAW.STACKOVERFLOW.comments
(
  id int,
  creationdate varchar,
  postid int,
  score bigint,
  text varchar,
  userid int
);
copy into RAW.stackoverflow.comments
    FROM '@RAW.PUBLIC.externalworld_database/stackoverflow.comments.parquet'
    MATCH_BY_COLUMN_NAME='CASE_INSENSITIVE';



-- stage stackoverflow linktypes
create or replace table RAW.STACKOVERFLOW.linktypes
(
  id int,
  type varchar
);
copy into RAW.stackoverflow.linktypes
    FROM '@RAW.PUBLIC.externalworld_database/stackoverflow.linktypes.parquet'
    MATCH_BY_COLUMN_NAME='CASE_INSENSITIVE';


-- stage stackoverflow post links
```

```
create or replace table RAW.STACKOVERFLOW.postlinks
(
    id int,
    creationdate varchar,
    postid int,
    relatedpost int,
    linktypeid int
);
copy into RAW.stackoverflow.postlinks
    FROM '@RAW.PUBLIC.externalworld_database/stackoverflow.postlinks.parquet'
    MATCH_BY_COLUMN_NAME='CASE_INSENSITIVE';


-- stage stackoverflow posts


create or replace table RAW.stackoverflow.posts
(
    id int,
    acceptedanswerid int,
    answercount bigint,
    body varchar,
    closeddate varchar,
    commentcount bigint,
    communityowneddate varchar,
    creationdate varchar,
    favoritecount bigint,
    lastactivitydate varchar,
    lasteditdate varchar,
    lasteditordisplayname varchar,
    lasteditoruserid int,
    owneruserid int,
    parentid int,
    posttypeid int,
    score bigint,
    tags varchar,
    title varchar,
    viewcount bigint

);
copy into RAW.stackoverflow.posts
    FROM '@RAW.PUBLIC.externalworld_database/stackoverflow.posts.parquet'
    MATCH_BY_COLUMN_NAME='CASE_INSENSITIVE';

-- stage stackoverflow post types

create or replace table RAW.STACKOVERFLOW.posttypes
(
    id int,
    type varchar
);
copy into RAW.stackoverflow.posttypes
    FROM '@RAW.PUBLIC.externalworld_database/stackoverflow.posttypes.parquet'
    MATCH_BY_COLUMN_NAME='CASE_INSENSITIVE';
```

```
-- stage stackoverflow Users

create or replace table RAW.STACKOVERFLOW.users
(
   id int,
   aboutme varchar,
   age int,
   creationdate varchar,
   displayname varchar,
   downvotes bigint,
   emailhash varchar,
   lastaccessdate varchar,
   location varchar,
   reputation bigint,
   upvotes bigint,
   views bigint,
   websiteurl varchar,
   accountid int
);
copy into RAW.stackoverflow.users
   FROM '@RAW.PUBLIC.externalworld_database/stackoverflow.users.parquet'
   MATCH_BY_COLUMN_NAME='CASE_INSENSITIVE';

-- stage stackoverflow votes

create or replace table RAW.STACKOVERFLOW.votes
(
   id int,
   postid int,
   userid int,
   bountyamount bigint,
   votetypeid int,
   creationdate varchar
);
copy into RAW.stackoverflow.votes
   FROM '@RAW.PUBLIC.externalworld_database/stackoverflow.votes.parquet'
   MATCH_BY_COLUMN_NAME='CASE_INSENSITIVE';

-- stage stackoverflow votetypes

create or replace table RAW.STACKOVERFLOW.votetypes
(
   id int,
   name varchar

);
copy into RAW.stackoverflow.votetypes
   FROM '@RAW.PUBLIC.externalworld_database/stackoverflow.votetypes.parquet'
   MATCH_BY_COLUMN_NAME='CASE_INSENSITIVE';



--------------------------------------------------------------------
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```
select TABLE_CATALOG,TABLE_SCHEMA,TABLE_NAME,ROW_COUNT
   from RAW.INFORMATION_SCHEMA.TABLES
   where TABLE_SCHEMA='STACKOVERFLOW' order by TABLE_NAME;
```