Capstone Documentation

How to gather LinkedIn data
- https://lmula.zoom.us/rec/share/SjAq-fH82C7Ki52H5GNNG44uiPikWp8mjxBxGdZNHWhBFhV9IthlFYWxdgzzp-eU.JzWr92EpTIOVQgzb

Getting work experience data from the CRM and creating the table:
- Create table AlumniDetails and CTE that identifies the most recent academic record for each ContactID
- Assigns a unique number to each row for a given ContactID, ordered by GraduationYear in descending order.
  - This ensures the record with the most recent GraduationYear gets rn = 1.

How to manually update work experience:
- Import/append the data from the CRM file into their respected tables (ContactMaster, AlumniDetails, AcademicHistory, WorkHistory) based off of last ContactID/WorkID added and rerun these queries

```sql
#Create Table
CREATE TABLE AlumniDetails AS
WITH LatestAcademicHistory AS (
    SELECT
        ContactID,
        FieldOfStudy,
        GraduationYear,
        ROW_NUMBER() OVER (PARTITION BY ContactID ORDER BY GraduationYear DESC) AS rn
    FROM
        AcademicHistory
),
LatestWorkHistory AS (
    SELECT
        ContactID,
        Designation,
        CompanyName,
        ROW_NUMBER() OVER (PARTITION BY ContactID ORDER BY UpdateDate DESC) AS rn
    FROM
        WorkHistory
)
SELECT
    cm.ContactID,
    CONCAT(cm.First, ' ', cm.Last) AS FullName,
    lah.FieldOfStudy,
    CAST(lah.GraduationYear AS CHAR) AS GraduationYear,
    CONCAT(lwh.Designation, ' @ ', lwh.CompanyName) AS JobTitle,
    cm.LinkedInUrl
FROM
    ContactMaster cm
JOIN
    LatestAcademicHistory lah ON cm.ContactID = lah.ContactID AND lah.rn = 1
JOIN
    LatestWorkHistory lwh ON cm.ContactID = lwh.ContactID AND lwh.rn = 1
ORDER BY
    cm.ContactID;
```

Other Notes:
- Sql file (post-2018 data) was last updated 1/27/24