Lab 3

1. Go to the github repo for our class and download the create_db.sql file.

   - You could also clone the repo to your virtual machine if you know how.
   - Open HeidiSQL and run the code by click the "Play button" or hitting F9.

2. Create a dependency diagram for the newsletter_subscription table.

   - Which type of dependencies/dependency were they?

   - Between which columns did the dependency/dependencies exist?

   - What might be a remedy?

3. We're still missing several tables from our database, by looking at columns in the existing tables, can you identify which tables might need to be added?

4. Make a copy of the SQL script in a new query window. Change around the order of the create table statements, did any issues arise? Why might this be?

5. Let's create the missing tables:

donation_status

Column Name	Data Type	Primary Key
donation_status	int	X
donation_status_desc	varchar(100)	
create_timestamp	timestamp	
update_timestamp	timestamp	

sustaining_status

Column Name	Data Type	Primary Key
sustaining_status	int	X
sustaining_status_desc	varchar(100)	
create_timestamp	timestamp	
update_timestamp	timestamp	

country

Column Name	Data Type	Primary Key
country_code	varchar(3)	X
country_name	varchar(100)	
create_timestamp	timestamp	
update_timestamp	timestamp	

language

Column Name	Data Type	Primary Key
language_code	varchar(3)	X
language_name	varchar(100)	
create_timestamp	timestamp	
update_timestamp	timestamp	

local_currency

Column Name	Data Type	Primary Key
local_currency	varchar(3)	X
local_currency_name	varchar(100)	
create_timestamp	timestamp	
update_timestamp	timestamp	

campaign_type

Column Name	Data Type	Primary Key
campaign_type	int	X
campaign_type_desc	varchar(100)	
create_timestamp	timestamp	
update_timestamp	timestamp	

6. Alter the tables and foreign key constraints to the proper tables.

```
ALTER TABLE IF EXISTS database.table
    ADD CONSTRAINT `constraint_name` FOREIGN KEY (column_name) REFERENCES database.table(col
                    ON DELETE CASCADE
                    ON UPDATE RESTRICT
```