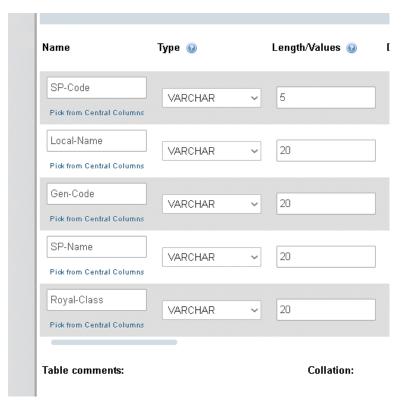
Step 1 : create database

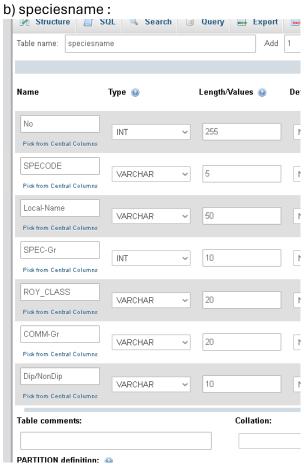
create database call tree

create table named:

a) scientificname:

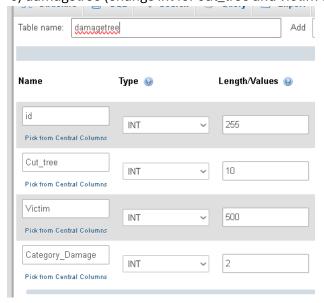


import scientifname. Csv



import species.csv

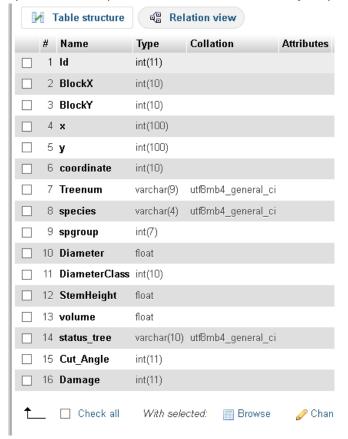
c) damagetree (change int for cut_tree and victim to varchar)



d) victim



e) newforestori (set coordinate as varchar sorry mb)



Step 2 : Run create_forest.php

- Run it for 4 time to get 10 000 ++ data

Step 3 Run Sql Code in the new forest ori

- 1. UPDATE newforestori INNER JOIN speciesname ON newforestori.species = speciesname.No SET newforestori.species = speciesname.No
- UPDATE newforestori SET Volume = 3.142 * POW((Diameter / 200), 2) * StemHeight * 0.50
- 3. UPDATE newforestori SET TreeNum = CONCAT('T', LPAD(BlockX, 2, '0'), LPAD(BlockY, 2, '0'), LPAD(x, 2, '0'), LPAD(y, 2, '0'))
- 4. UPDATE newforestori SET status_tree = CASE WHEN spgroup IN (1, 2, 3, 5) AND Diameter > 45 THEN 'Cut' WHEN spgroup IN (1, 2, 3, 5) AND Diameter <= 45 THEN 'Keep' ELSE status_tree END
- 5. UPDATE newforestori SET Cut_Angle = CASE WHEN status_tree = 'Cut' THEN FLOOR(RAND() * 360) + 1 ELSE NULL EN
- 6. UPDATE newforestori INNER JOIN speciesname ON speciesname.No = newforestori.species SET newforestori.species = speciesname.SPECODE
- 7. UPDATE newforestori SET coordinate = CONCAT('T', LPAD(x, 2, '0'), LPAD(y, 2, '0'))

Step 4: run find_damage.php

- For produce the victim table

Step 5: run find_victim.php

- For produce the cut table