Exercise: Plant Species

- You are working on a database for a company that grows and sells plants.
- One important table contains a list of the plant species that they grow, which are identified botanically by their genus and specie name, family, and common name.
- Even if you have never heard of these terms, you can analyze the table by looking at the data given below:

Plant species

genus	specie	family	commonname
Ardesia	japonica	Myrsinaceae	Marlberry
Beaucarnea	recurvata	Agavaceae	Ponytail
Centaurea	cineraria	Asteraceae	Dusty Miller
Centaurea	gymnocarpa	Asteraceae	Dusty Miller
Centaurea	montana	Asteraceae	
Dracaena	draco	Agavaceae	Dragon Tree
Dracaena	marginata	Agavaceae	
Echeveria	elegans	Crassulaceae	Hen and Chicks
Kalanchoe	beharensis	Crassulaceae	Felt Plant
Kalanchoe	pinnata	Crassulaceae	Air Plant
Pseudosasa	japonica	Poaceae	Arrow Bamboo
Senecio	cineraria	Asteraceae	Dusty Miller

Redesign to remove sub key, a subkey can be more than 1 attribute

- Draw the relation scheme for this table as it is shown above. Identify the primary key.
- Draw the relation scheme for a lossless join decomposition of this table.