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- Lab 4 Report
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-- I scrapped some of the questions (Thankfully I had more than 10) because they
are impossible
-- to do without altering the tables
-- Lookup kanji by its meaning in English
-- Example meaning eat
SELECT Character
FROM Kanji
WHERE Unicode = (SELECT KanjiId
                FROM KanjiMeaning
                WHERE KanjiMeaning.MeaningId = (SELECT Id
                                                 FROM Meaning
                                                 WHERE Meaning.Means = 'eat'
                );
-- This selects a character by referencing the Kanji in the KanjiMeaning table
that have the
-- MeaningId that corresponds to the inputted meaning VARCHAR.
-- Lookup kanji(s) by its pronunciation (Onyomi / Kunyomi)
-- Example pronunciation hito
-- Kunyomi:
SELECT Character
FROM Kanji
WHERE Unicode = (SELECT KanjiId
                FROM KanjiKunyomi
                WHERE KanjiKunyomi.KunyomiId = (SELECT Id
                                                 FROM Kunyomi
                                                WHERE Kunyomi.Romaji = 'hito' OR
Kunyomi.Hiragana = 'hito' OR Kunyomi.Katakana = 'hito'
                );
-- This selects a character by referencing the Kanji in the KanjiKunyomi table
that have the
-- KunyomiId that corresponds to the inputted Kunyomi VARCHAR's (Either Romaji,
Hiragana, or Katakana).
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SELECT Character
FROM Kanji
WHERE Unicode = (SELECT KanjiId
                FROM KanjiOnyomi
                WHERE KanjiOnyomi.OnyomiId = (SELECT Id
                                                FROM Onyomi
                                                WHERE Onyomi.Romaji = 'hito' OR
Onyomi.Hiragana = 'hito' OR Onyomi.Katakana = 'hito'
-- This selects a character by referencing the Kanji in the KanjiOnyomi table
that have the
-- OnyomiId that corresponds to the inputted Onyomi VARCHAR's (Either Romaji,
Hiragana, or Katakana).
-- Example stroke 7
SELECT Character
FROM Kanji
WHERE StrokeId = (SELECT Id
                FROM Stroke
                WHERE Stroke.Number = 7
                );
-- Selects a Character from a Kanji by referencing the StrokeId that goes to the
Stroke table with the inputted Stroke Number.
-- Example level N5
SELECT Character
FROM Kanji
WHERE JlptLevel = 'N5';
-- This Selects the Kanji's that have the inputted JlptLevel as JlptLevel is
-- What is a kanjis pronunciation (Onyomi / Kunyomi)
-- All of the next queries will have 人 as an example
-- You can replace Romaji with Hiragana or Katakana to get the pronunciation in
those scripts
-- Onyomi:
SELECT Romaji
FROM Onyomi
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WHERE Onyomi.Id = (SELECT OnyomiId
                    From KanjiOnyomi
                    WHERE KanjiOnyomi.KanjiId = (SELECT Unicode
                                                 FROM Kanji
                                                WHERE Kanji.Character = '人'
                                                 )
                    );
-- This selects a pronunciation by referencing the Id of an Onyomi entry and
taking the Onyomi table's
-- KanjiId leading us to the Kanji table and referencing the Kanji Character
given.
-- Kunyomi:
SELECT Romaji
FROM Kunyomi
WHERE Kunyomi.Id = (SELECT KunyomiId
                    From KanjiKunyomi
                    WHERE KanjiKunyomi.KanjiId = (SELECT Unicode
                                                 FROM Kanji
                                                WHERE Kanji.Character = '人'
                                                 )
                    );
-- This selects a pronunciation by referencing the Id of an Kunyomi entry and
taking the Kunyomi table's
 - KanjiId leading us to the Kanji table and referencing the Kanji Character
given.
-- What are a kanjis meaning
SELECT Means
FROM Meaning
WHERE Meaning.Id = (SELECT MeaningId
                    FROM KanjiMeaning
                    WHERE KanjiMeaning.KanjiId = (SELECT Unicode
                                                 FROM Kanji
                                                WHERE Kanji.Character = '人'
                                                 )
                    );
-- This selects a Meaning (Meaning. Means) by referencing the Id of an Meaning
entry and taking the KanjiMeaning table's
-- KanjiId leading us to the Kanji table and referencing the Kanji Character
given.
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SELECT Number
FROM Stroke
WHERE Stroke.Id = (SELECT StrokeId
                    From Kanji
                    WHERE Kanji.Character = '人'
                    );
-- This gives the Number of Strokes by using the Stroke Id and matching it with
-- based off of what kanji you give.
SELECT RadicalKanji
FROM AreMadeOfKanji
WHERE AreMadeOfKanji.LargeKanji = (SELECT Unicode
                                    FROM Kanji
                                    WHERE Kanji.Character = '人'
                                    );
-- This gives the Radical Kanji by using the AreMadeOfKanji relation and matching
the LargeKanji with the given Kanji in the
-- subquery and selecting the RadicalKanji associated.
-- What is an example of the kanji in a sentence
SELECT Sentence
FROM Examples
WHERE Examples.Id = (SELECT ExampleId
                    FROM KanjiExamples
                    WHERE KanjiExamples.KanjiId = (SELECT Unicode
                                                    From Kanji
                                                    WHERE Kanji.Character = '人'
                    );
-- This selects an Example Sentence by referencing the Id of the Examples table
tied to the Sentence going to the
-- KanjiExamples table which has the Id of the Kanji we inpputed to get an
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