Surname and Given Name

Boundary Conditions

* Name of exactly 20 characters
* Name of more than 20 characters (21 characters)

Equivalence Classes

* Valid names (e.g., "Smith", "Johnson")
* Invalid names (e.g., names with special characters or numbers)

Test Cases

* Input: "issac" - Expected result: Query results or "no persons found matching your query."
* nput: "1ssa3" - Expected result: "Invalid query."

Dates (Birth, Death, Marriage)

Boundary Conditions

* Date with earliest valid year (0001)
* Date with latest valid year (current year)
* Person married at 12 or 60 years old

Equivalence Classes

* Valid dates
* Invalid dates (e.g., 30th February, leap years not accounted, future dates)

Test Cases

* Input: 01-01-0001 - Expected result: Query results or "no persons found matching your query."
* Input: 30-02-2000 - Expected result: "Invalid query."
* Birth date: 01-01-2000, Marriage date: 01-01-2012 - Expected result: Warning message and query results or "no persons found matching your query."

Places (City, Country)

Boundary Conditions

* Only city is provided
* Only country is provided
* Both city and country are provided
* Neither city nor country is provided

Equivalence Classes

* Valid places (e.g., "London, England", "Paris, France")
* Invalid places (e.g., non-existent cities or countries)

Test Cases

* Input: "London, England" - Expected result: Query results or "no persons found matching your query."
* Input: "London, " - Expected result: Query results or "no persons found matching your query."
* Input: ", England" - Expected result: Query results or "no persons found matching your query."
* Input: ", " - Expected result: Query results or "no persons found matching your query."
* Input: "NonExistentCity, NonExistentCountry" - Expected result: "Invalid query."