

## RII Applications Developer II Take-Home Test

Please write a **Python** script to solve the following problem:

Given a REST API that references a database of books and authors, write a script that will find all books that could not have been written by their authors. Books that could not have been written by their authors are defined as books that were published before the authors were 10. There are no cases in the database where the authors specific birthday matters.

Your solution should be publicly available in a Github repository, with well-written commit messages. Please complete this task prior to your interview, and be prepared to discuss your solution during the interview. Solutions will be judged on readability, documentation, performance, and correctness.

### **REST API Documentation (intentionally weak):**

The root endpoint of the API is <https://p8doqtv9f.execute-api.us-west-2.amazonaws.com/rii-dev-interview>. The endpoints are listed below. There are no other endpoints in the database.

1. `"/books"`
  - i. `type`: String = "book"
  - ii. `title`: String
  - iii. `author`: String correlating to the "name" field of an Author object. See below.
  - iv. `published`: String in the form of "day-month-year", where day, month, and year are integers.
2. `"/authors"`
  - i. `type`: String = "author"
  - ii. `name`: String
  - iii. `age`: Int