Basic

a. Create database structure for accounting firm. Keep in mind that accounting firm has to keep records of their clients, clients incoming and outgoing invoices, costs and has to keep receipts for at least 5 years. Most frequent query is by client name and yearly income and second one is getting most profitable client

b. How would you find all files that ends with ".js" and bundle them together into one file.

c. You are a forensic computer scientist, and you have to write a program that finds the right person responsible for a murder. the detective sent you an DNK sample of a murderer and list of 3 suspect. Data sent to you:

    i. **DNK**: HHHKLJ140L98IHYYYN

    ii. **Suspects**:
   1. John Novak
      a. Hair: Black
      b. Eyes: Green
      c. Race: Asian
   2. Vin Diesel:
      a. Hair: Blonde
      b. Eyes: Brown
      c. Race: Caucasian
   3. Guy Fawkes:
      a. Hair: Black
      b. Eyes: Brown
      c. Race: Hispanic

    iii. **Legend**
   1. Eyes:
      a. Black: 140L98
      b. Green: 140A98
      c. Brown: 140A88
      d. Blue: 140L97
   2. Hair:
      a. Brown: HHHKLJ
      b. Black: HHHKLI
      c. Blonde: HHLH1L
      d. White: HHLH2L
   3. Race:
      a. Asian: 1HYYYN
      b. Hispanic: IHYYYN
      c. White: IHYYNN

Practical:

Data: https://admin.b2b-carmarket.com//test/project
1. Write a parser for provided data, so you get a valid associative array of all the rows
2. Create appropriate database table and write all the rows into it, be careful there could be a lot of rows
3. Generate fake Names and Surnames for all of the Buyers in separated table, one for each buyer.
4. Write php script that prints all of the rows in paginated table
5. Use jQuery to make pagination async, make sure that URL still changes.
6. Write simple search functionality, that searched based on Name,Surname and SaleDate

Hint: https://datatables.net/, if you decide to use Datatables, make sure that all searching and paging is done in PHP not in JS!