Backend Coding Test

You need to create a REST service that can fetch bank details, using the data given in the API's query parameters.

You can use the data available in this repository in your backend DB. Write your service in any language of your choice. Host it on Heroku - you can signup for a free account in Heroku. E.g. Here are steps on how you can get a Django app running in Heroku in a few minutes. Please use PostgreSQL as your backend DB. Since the free-tier of Heroku has a limit of 10k rows, you can use another DB provider (eg: you can use clever-cloud.com to host your Postgres DB by following steps).

Essentials your applications should have:

1. Autocomplete API to return possible matches based on the branch name **ordered by IFSC code** (ascending order) with limit and offset.
    a. **Endpoint: /api/branches/autocomplete?q=<>**
    b. Example: /api/branches/autocomplete?q=**RTGS**&limit=3&offset=0
    c. Sample response:


```
{
 "branches": [{
  "ifsc": "ABHY0065001",
  "bank_id": 60,
  "branch": "RTGS-HO",
  "address": "ABHYUDAYA BANK BLDG., B.NO.71, NEHRU NAGAR, KURLA (E), MUMBAI-400024",
  "city": "MUMBAI",
  "district": "GREATER MUMBAI",
  "state": "MAHARASHTRA"
 }, {
  "ifsc": "ABNA0000001",
  "bank_id": 110,
  "branch": "RTGS-HO",
  "address": "414 EMPIRE COMPLEX, SENAPATI BAPAT MARG LOWER PAREL WEST MUMBAI 400013",
  "city": "MUMBAI",
  "district": "GREATER BOMBAY",
  "state": "MAHARASHTRA"
 }, {
  "ifsc": "ADCB0000001",
  "bank_id": 143,
  "branch": "RTGS-HO",
  "address": "75, REHMAT MANZIL, V. N. ROAD, CURCHGATE, MUMBAI - 400020",
  "city": "MUMBAI",
  "district": "MUMBAI CITY",
  "state": "MAHARASHTRA"
 }, {
  "ifsc": "ADCC0000001",
```

```
  "bank_id": 61,
  "branch": "RTGS-HO",
  "address": "THE AKOLA DISTRICT CENTRAL COOP. BANK LTD., P.B.NO. 8, CIVIL LINES, S.A. COLLEGE ROAD, AKOLA. 444001",
  "city": "AKOLA",
  "district": "AKOLA",
  "state": "MAHARASHTRA"
 }]
}
```


2. Search API to return possible matches across all columns and all rows, **ordered by IFSC code** (ascending order) with limit and offset.
    a. **Endpoint: /api/branches?q=<>**
    b. Example: /api/branches?q=**Bangalore**&limit=4&offset=0
    c. Sample response:


```
 {
  "branches": [{
   "ifsc": "ABNA0100318",
   "bank_id": 110,
   "branch": "BANGALORE",
   "address": "PRESTIGE TOWERS', GROUND FLOOR, 99 & 100, RESIDENCY ROAD, BANGALORE 560 025.",
   "city": "BANGALORE",
   "district": "BANGALORE URBAN",
   "state": "KARNATAKA"
  }, {
   "ifsc": "ADCB0000002",
   "bank_id": 143,
   "branch": "BANGALORE",
   "address": "CITI CENTRE, 28, CHURCH STREET, OFF M. G. ROAD BANGALORE 560001",
   "city": "BANGALORE",
   "district": "BANGALORE URBAN",
   "state": "KARNATAKA"
  }, {
   "ifsc": "ALLA0210217",
   "bank_id": 11,
   "branch": "K. G. ROAD",
   "address": "NO. 2, FKCCI BUILDING , K G ROAD , BANGALORE",
   "city": "BANGALORE",
   "district": "BANGALORE URBAN",
   "state": "KARNATAKA"
  }, {
   "ifsc": "ALLA0210326",
   "bank_id": 11,
   "branch": "BANGALORE BASAVANGUDI",
   "address": "121, RM COMPLEX, DR.D.V.GUNDAPPA ROAD, BASAVANGUDI, BANGALORE - 560004",
   "city": "BANGALORE",
   "district": "BANGALORE URBAN",
```

```
    "state": "KARNATAKA"
  }]
}
```


Deliverables:

1. Hosting URL
2. Github repo link to your solution
3. Time taken to complete this exercise.
4. [**IMPORTANT**] Please include a curl script that makes a call to each of the above mentioned APIs in your **repo** while demonstrating the limit and offset parameters