QUESTION 2

Café Explorer Function

Problem Statement:
Joy recently shifted to California for his new job. He loves exploring new cafes. Though he managed to get some data related to nearby cafes, he needs some help to arrange them for easy access. He got 2 data sets: **cafes** and **places**.

cafes is an array of cafes (objects). It contains two properties: the name of the cafe and the corresponding place's id as **place_id**.

```
[
  {
   "name": "Ashley's Cafe",
   "place_id": "12hydbdf76sljfts87sbfis"
  },
  {
   "name": "Avenue Bakery Cafe",
   "place_id": "jahgde7wgdiau8ewsahgosd"
  },
  {
   "name": "Avenue Cafe",
   "place_id": "skjd86svvfdrsv55svbvf3f"
  },
  {
   "name": "Bazaar Cafe",
   "place_id": "kjk234g4gcvfx8usg1l33pi"
  },
  {
   "name": "California Chicken Cafe",
   "place_id": "12hydbdf76sljfts87sbfis"
  },
  {
   "name": "Hi-Lo Cafe",
   "place_id": "mjdhgetr4pojfyts22fzfsh"
  },
  {
   "name": "Philz Coffee",
   "place_id": "urhw3837ehalod7w02b7835"
  }
]
```

places is an array containing the details of all the places in California.

```
[
  {
   "id": "12hydbdf76sljfts87sbfis",
   "street_no": "1B",
   "locality": "Macarthur Blvd",
   "postal_code": "20619",
```

    "lat": "38.1781 N",
    "long": "118.4171 W"
  },
  {
    "id": "jahgde7wgdiau8ewsahgosd",
    "street_no": "60H",
    "locality": "Solomos Island Road",
    "postal_code": "20688",
    "lat": "36.7783 N",
    "long": "119.4179 W"
  },
  {
    "id": "kjk234g4gcvfx8usg1l33pi",
    "street_no": "45250",
    "locality": "Worth Avenue, Unit A",
    "postal_code": "20619",
    "lat": "36.1152",
    "long": "117.521"
  },
  {
    "id": "saswe3s6yydtdr52hsd72yst",
    "street_no": "1X",
    "locality": "Macarthur Blvd",
    "postal_code": "20687",
    "lat": "36.7783",
    "long": "119.4179"
  },
  {
    "id": "skjd86svvfdrsv55svbvf3f",
    "street_no": "7S",
    "locality": "Three Notch Road",
    "postal_code": "20619",
    "lat": "36.83",
    "long": "119.6"
  },
  {
    "id": "mjdhgetr4pojfyts22fzfsh",
    "street_no": "22803",
    "locality": "Gunston Dr Lexington Park",
    "postal_code": "20688",
    "lat": "35.7788",
    "long": "119.979"
  },
  {
    "id": "urhw3837ehalod7w02b7835",
    "street_no": "225",
    "locality": "Macarthur Blvd",
    "postal_code": "20687",
    "lat": "35.77813",
    "long": "119.41791"
  }

]

You have to design a function, findCaliforniaCafes, which will take a string as an argument. It will search cafes' names containing the searched term as a substring and should return an array containing all matched places and their corresponding location details.

Function Signature:

You can define the given 2 data sets inside your function. Following is a sample function skeleton

```
function findCaliforniaCafes(searchTerm) {
 // You can store the given arrays in 2 internal variables
 const cafes = [...];
 const places = [...];
 // Your code goes here
 return results;
}
```

Example Usage:

```
const results = findCaliforniaCafes('Avenue');
console.log(results);
```

Expected Output:

```
[
 {
  "name": "Avenue Cafe",
  "street_no": "7S",
  "locality": "Three Notch Road",
  "postal_code": "20619",
  "lat": "36.83",
  "long": "119.6"
 },
 {
  "name": "Avenue Bakery Cafe",
  "street_no": "60H",
  "locality": "Solomos Island Road",
  "postal_code": "20688",
  "lat": "36.7783 N",
  "long": "119.4179 W"
 }
 // ... (other matching places)
]
```