

```
//From description, structure sounds something like this
{
  "cities": [
    {
      "city1": {
        "hotels": [
          {
            "name": "hotel1",
            "value": "1"
          },
          {
            "name": "hotel2",
            "value": "0"
          },
          .
          .
          .
        ]
      },
    },
    {
      "city2": {
        "hotels": [...]
      }
    },
    .
    .
    .
  ]
}
```

input → string of the searched location (Given: database of hotels(JSON Tree))

Make empty list for output //Assuming that this can be list to display directly on website

//something like dfs → search for the city first (referring to recursively traversing down list)

for all root (city) nodes

 if city != location

 continue //go to next root(city) node

 else

 for all hotels in city

 if hotel->value == 0

 Append hotel to list

return list