Cloud Computing Assignment 2 Basic Hive Queries

In this assignment you will learn how to write basic Hive queries. You are provided with sample dataset on which you will be asked to run a few simple queries. You will be working with basically two tables. Please understand the structure of the table before proceeding any further.

BusinessDetailsTable

```
{
 "business_id": "EwHd-kZU_y16wBqxeRPERw",
 "full_address": "6280 S Pecos Rd\nSte 500\nSoutheast\nLas Vegas, NV 89120",
 "hours":
  {"Monday": {"close": "17:00", "open": "09:00"},
   "Tuesday": {"close": "17:00", "open": "09:00"},
   "Friday": {"close": "17:00", "open": "09:00"},
   "Wednesday": {"close": "17:00", "open": "09:00"},
   "Thursday": {"close": "17:00", "open": "09:00"},
   "Saturday": {"close": "13:00", "open": "09:00"}},
 "open": true,
 "categories": ["Motorcycle Repair", "Motorcycle Gear", "Shopping",
"Motorcycle Dealers", "Automotive"],
 "city": "Las Vegas",
 "review_count": 6,
 "name": "Universal 2 Wheel Motorsports",
 "neighborhoods": ["Southeast"],
 "longitude": -115.1003059,
 "state": "NV",
 "stars": 4.5,
 "latitude": 36.076484999999998,
 "attributes":
  {"Parking": {"garage": false, "street": false, "validated": false, "lot":
false, "valet": false},
   "Accepts Credit Cards": true,
```

    "Price Range": 3},
 "type": "business"
}

BusinessReviewTable

{
"votes":
{"funny": 0, "useful": 5, "cool": 2},
"user_id": "rLtl8ZkDX5vH5nAx9C3q5Q",
"review_id": "fWKvX83p0-ka4JS3dc6E5A",
"stars": 5,
"date": "2011-01-26",
"text": "My wife took me here on my birthday for breakfast and it was
excellent. The weather was perfect which made sitting outside overlooking
their grounds an absolute pleasure. Our waitress was excellent and our food
arrived quickly on the semi-busy Saturday morning. It looked like the place
fills up pretty quickly so the earlier you get here the better.\n\nDo yourself
a favor and get their Bloody Mary. It was phenomenal and simply the best I've
ever had. I'm pretty sure they only use ingredients from their garden and
blend them fresh when you order it. It was amazing.\n\nWhile EVERYTHING on the
menu looks excellent, I had the white truffle scrambled eggs vegetable skillet
and it was tasty and delicious. It came with 2 pieces of their griddled bread
with was amazing and it absolutely made the meal complete. It was the best
\"toast\" I've ever had.\n\nAnyway, I can't wait to go back!",
"type": "review",
"business_id": "rncjoVoEFUJGCUoC1JgnUA"
}

<u>Your task is to execute the following queries in Hive</u>

- Count No of Business In a City
- Count No of Business Reviews per Month
- List Five Star Reviewers for a Business

You are supposed to use Hive SerDe utility to map the JSON Tables to Hive tables.

<u>**(Important) Guidelines:**</u>

- **<u>Format will be mailed later</u>**

- Deadline is on 4th Oct, 9pm. (No extension this time even if Nostradamus says its end of the world)
- **Plagiarism of any kind (from others or from internet) will be detected, and will be awarded a straight 0 in the assignment.**
- To learn more about SerDe
https://cwiki.apache.org/confluence/display/Hive/SerDe#SerDe-Built-inSerDes