CS381 Data Analytic Quiz 1

Instruction: For multiple choice questions, clearly circle one of the choice; for all other questions, write your answer right below the questions. All questions carry the same weights.

Name:

Question 1: Given the following database tables, Write a SQL statement to select customers who worked with a saleman located in Paris

Sample table: salesman

```
salesman_id |     name     |   city   | commission
------------+--------------+----------+------------
       5001 | James Hoog   | New York |    0.15
       5002 | Nail Knite   | Paris    |    0.13
       5005 | Pit Alex     | London   |    0.11
       5006 | Mc Lyon      | Paris    |    0.14
       5007 | Paul Adam    | Rome     |    0.13
       5003 | Lauson Hen   | San Jose |    0.12
```

Sample table: customer

```
customer_id |    cust_name    |    city    | grade | salesman_id
------------+-----------------+------------+-------+------------
       3002 | Nick Rimando    | New York   |  100  |    5001
       3007 | Brad Davis      | New York   |  200  |    5001
       3005 | Graham Zusi     | California |  200  |    5002
       3008 | Julian Green    | London     |  300  |    5002
       3004 | Fabian Johnson  | Paris      |  300  |    5006
       3009 | Geoff Cameron   | Berlin     |  100  |    5003
       3003 | Jozy Altidor    | Moscow     |  200  |    5007
```

Answer:

Question 2: Which of the following are true?

```
  1. Data Warehouse is built for storing operation transactions efficiently
  2. Data Warehouse contains lower granularity data when compared with database
  3. Star schema is used more frequently used in a Data Warehouse than in database
```

A. Only 1

   B. Only 2
   C. 1 and 2
   D. 2 and 3
   E. 1, 2 and 3

Question 3: Who will be responsible for collecting unstructured data and transform them into database table?

   A. Data Engineer
   B. Data Analyst
   C. Data Scientist