

CS381/780 Data Analytic Review Quiz 2

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:

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Question 1: Given the following database tables, Write a SQL statement to select customers who worked with a salesman 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	Jozv Altidor	Moscow	200	5007

```
SELECT *
FROM salesman as s
join customer as c
on s.salesman_id = c.salesman_id
WHERE s.city = 'Paris';
```

Answer:

Question 2: Which of the following are true?

1. Data Warehouse is built for storing operation transactions efficiently
2. Data Warehouse contains higher 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. Only 3

D. 1 and 2

E. 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