

# **DBMS IN-CLASS ASSIGNMENT 05**

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### Question 01

SELECT Customer.id, Customer.name, Orders.date, orders.amount

FROM Customer

INNER JOIN orders

ON

Customer.id=orders.Customer\_ID;

```
mysql> SELECT Customer.id, Customer.name, Orders.date, orders.amount
-> FROM Customer
-> INNER JOIN orders
-> ON
-> Customer.id=orders.Customer_ID;
+----+-----+-----+-----+
| id | name   | date   | amount |
+----+-----+-----+-----+
| 3  | Kaushik | 2009-10-08 | 1500.00 |
| 2  | Khilan  | 2009-11-20 | 1560.00 |
| 3  | Kaushik | 2009-10-08 | 3000.00 |
| 4  | Chaitali | 2008-05-20 | 2060.00 |
+----+-----+-----+-----+
4 rows in set (0.01 sec)

mysql> 
```

### Question 02

SELECT Customer.id, Customer.name, Orders.date, orders.amount

FROM Customer

INNER JOIN orders

ON

Customer.id=orders.Customer\_ID

WHERE orders.Amount > 2000;

```
mysql> SELECT Customer.id, Customer.name, Orders.date, orders.amount
-> FROM Customer
-> INNER JOIN orders
-> ON
-> Customer.id=orders.Customer_ID
-> WHERE orders.Amount > 2000;
+----+-----+-----+-----+
| id | name   | date   | amount |
+----+-----+-----+-----+
| 3  | Kaushik | 2009-10-08 | 3000.00 |
| 4  | Chaitali | 2008-05-20 | 2060.00 |
+----+-----+-----+-----+
2 rows in set (0.02 sec)
```

### Question 03

SELECT Customer.id, Customer.name, Orders.date, orders.amount

FROM Customer

INNER JOIN orders

ON

Customer.id=orders.Customer\_ID

WHERE orders.Amount = 3000;

```
mysql> SELECT Customer.id, Customer.name, Orders.date, orders.amount
-> FROM Customer
-> INNER JOIN orders
-> ON
-> Customer.id=orders.Customer_ID
-> WHERE orders.Amount = 3000;
+----+-----+-----+-----+
| id | name   | date       | amount |
+----+-----+-----+-----+
| 3  | Kaushik | 2009-10-08 | 3000.00 |
+----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> 
```

### Question 04

SELECT Customer.id, Customer.name, Orders.date, orders.amount

FROM Customer

INNER JOIN orders

ON

Customer.id=orders.Customer\_ID

WHERE orders.Amount BETWEEN 1550 AND 4000;

```
mysql> SELECT Customer.id, Customer.name, Orders.date, orders.amount
-> FROM Customer
-> INNER JOIN orders
-> ON
-> Customer.id=orders.Customer_ID
-> WHERE orders.Amount BETWEEN 1550 AND 4000;
+----+-----+-----+-----+
| id | name   | date       | amount |
+----+-----+-----+-----+
| 2  | Khilan | 2009-11-20 | 1560.00 |
| 3  | Kaushik | 2009-10-08 | 3000.00 |
| 4  | Chaitali | 2008-05-20 | 2060.00 |
+----+-----+-----+-----+
3 rows in set (0.06 sec)

mysql> 
```

### Question 05

SELECT Customer.id, Customer.name, Orders.date, orders.amount

FROM Customer

INNER JOIN orders

ON

Customer.id=orders.Customer\_ID

WHERE Customer.Name = 'Kaushik';

```
mysql> SELECT Customer.id, Customer.name, Orders.date, orders.amount
-> FROM Customer
-> INNER JOIN orders
-> ON
-> Customer.id=orders.Customer_ID
-> WHERE Customer.Name = 'Kaushik';
+----+-----+-----+-----+
| id | name   | date       | amount |
+----+-----+-----+-----+
| 3  | Kaushik | 2009-10-08 | 1500.00 |
| 3  | Kaushik | 2009-10-08 | 3000.00 |
+----+-----+-----+-----+
2 rows in set (0.08 sec)
```

### Question 06

SELECT Customer.id, Customer.name, Orders.date, orders.amount

FROM Customer

LEFT JOIN orders

ON

Customer.id=orders.Customer\_ID;

```
mysql> SELECT Customer.id, Customer.name, Orders.date, orders.amount
-> FROM Customer
-> LEFT JOIN orders
-> ON
-> Customer.id=orders.Customer_ID;
+----+-----+-----+-----+
| id | name   | date       | amount |
+----+-----+-----+-----+
| 1  | Ramesh  | NULL       | NULL    |
| 2  | Khilan  | 2009-11-20 | 1560.00 |
| 3  | Kaushik | 2009-10-08 | 1500.00 |
| 3  | Kaushik | 2009-10-08 | 3000.00 |
| 4  | Chaitali | 2008-05-20 | 2060.00 |
| 5  | Hardik  | NULL       | NULL    |
| 6  | Komal   | NULL       | NULL    |
| 7  | Muffy   | NULL       | NULL    |
+----+-----+-----+-----+
8 rows in set (0.00 sec)
```

### Question 07

```
CREATE TABLE Seller(  
  SellerID INT,  
  Seller_NAME VARCHAR(10),  
  code INT,  
  Order_ID INT,  
  CONSTRAINT PRIMARY KEY (SellerID),  
  CONSTRAINT FOREIGN KEY(Order_ID) REFERENCES Orders(OID)  
);
```

```
mysql> DESC Seller;  
+-----+-----+-----+-----+-----+-----+  
| Field      | Type        | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| SellerID   | int         | NO   | PRI | NULL    |       |  
| Seller_NAME | varchar(10) | YES  |     | NULL    |       |  
| code       | int         | YES  |     | NULL    |       |  
| Order_ID   | int         | YES  | MUL | NULL    |       |  
+-----+-----+-----+-----+-----+-----+  
4 rows in set (0.05 sec)
```

### Question 08

```
SELECT Customer.id, Customer.name, orders.amount,Orders.date,Seller.Seller_NAME  
FROM Customer  
INNER JOIN orders  
ON Customer.ID=orders.Customer_ID  
INNER JOIN Seller  
ON Orders.OID=seller.order_ID;
```

```
mysql> SELECT Customer.id, Customer.name, orders.amount,Orders.date,Seller.Seller_NAME  
-> FROM Customer  
-> INNER JOIN orders  
-> ON Customer.ID=orders.Customer_ID  
-> INNER JOIN Seller  
-> ON Orders.OID=seller.order_ID  
-> WHERE Orders.date = '2008-05-20';  
+-----+-----+-----+-----+-----+  
| id | name      | amount | date       | Seller_NAME |  
+-----+-----+-----+-----+-----+  
| 4  | Chaitali | 2060.00 | 2008-05-20 | VIVEK       |  
+-----+-----+-----+-----+-----+  
1 row in set (0.02 sec)
```

### Question 09

```
SELECT Customer.id, Customer.name, orders.amount,Orders.date,Seller.Seller_NAME
FROM Customer
INNER JOIN orders
ON Customer.ID=orders.Customer_ID
INNER JOIN Seller
ON Orders.OID=seller.order_ID
WHERE Orders.date = '2008-05-20';
```

```
mysql> SELECT Customer.id, Customer.name, orders.amount,Orders.date,Seller.Seller_NAME
-> FROM Customer
-> INNER JOIN orders
-> ON Customer.ID=orders.Customer_ID
-> INNER JOIN Seller
-> ON Orders.OID=seller.order_ID
-> WHERE Orders.date = '2008-05-20';
+-----+-----+-----+-----+-----+
| id | name   | amount | date   | Seller_NAME |
+-----+-----+-----+-----+-----+
| 4  | Chaitali | 2060.00 | 2008-05-20 | VIVEK      |
+-----+-----+-----+-----+-----+
1 row in set (0.02 sec)
```

### Question 10

```
SELECT Customer.id, Customer.name, orders.amount,Orders.date,Seller.Seller_NAME
FROM Customer
INNER JOIN orders
ON Customer.ID=orders.Customer_ID
INNER JOIN Seller
ON Orders.OID=seller.order_ID
WHERE Orders.date = '2009-10-08' AND Orders.Amount>2000;
```

```
mysql> SELECT Customer.id, Customer.name, orders.amount,Orders.date,Seller.Seller_NAME
-> FROM Customer
-> INNER JOIN orders
-> ON Customer.ID=orders.Customer_ID
-> INNER JOIN Seller
-> ON Orders.OID=seller.order_ID
-> WHERE Orders.date = '2009-10-08' AND Orders.Amount>2000;
+-----+-----+-----+-----+-----+
| id | name   | amount | date   | Seller_NAME |
+-----+-----+-----+-----+-----+
| 3  | Kaushik | 3000.00 | 2009-10-08 | SARIKA      |
+-----+-----+-----+-----+-----+
1 row in set (0.01 sec)
```