

Question 1:

```
mysql> SELECT o.orderNumber,p.productName,c.customerName,pm.amount,pm.checkNumber
-> FROM orders o
-> JOIN orderdetails od
-> ON o.orderNumber = od.orderNumber
-> JOIN products p
-> ON od.productCode = p.productCode
-> JOIN customers c
-> ON o.customerNumber = c.customerNumber
-> JOIN payments pm
-> ON pm.customerNumber = c.customerNumber
-> WHERE o.orderNumber=10100;
```

```
mysql> SELECT o.orderNumber,p.productName,c.customerName,pm.amount,pm.checkNumber
-> FROM orders o
-> JOIN orderdetails od
-> ON o.orderNumber = od.orderNumber
-> JOIN products p
-> ON od.productCode = p.productCode
-> JOIN customers c
-> ON o.customerNumber = c.customerNumber
-> JOIN payments pm
-> ON pm.customerNumber = c.customerNumber
-> WHERE o.orderNumber=10100;
```

orderNumber	productName	customerName	amount	checkNumber
10100	1917 Grand Touring Sedan	Online Diecast Creations Co.	50799.69	HL575273
10100	1911 Ford Town Car	Online Diecast Creations Co.	50799.69	HL575273
10100	1932 Alfa Romeo 8C2300 Spider Sport	Online Diecast Creations Co.	50799.69	HL575273
10100	1936 Mercedes Benz 500k Roadster	Online Diecast Creations Co.	50799.69	HL575273
10100	1917 Grand Touring Sedan	Online Diecast Creations Co.	10223.83	IS232033
10100	1911 Ford Town Car	Online Diecast Creations Co.	10223.83	IS232033
10100	1932 Alfa Romeo 8C2300 Spider Sport	Online Diecast Creations Co.	10223.83	IS232033
10100	1936 Mercedes Benz 500k Roadster	Online Diecast Creations Co.	10223.83	IS232033
10100	1917 Grand Touring Sedan	Online Diecast Creations Co.	55425.77	PN238558
10100	1911 Ford Town Car	Online Diecast Creations Co.	55425.77	PN238558
10100	1932 Alfa Romeo 8C2300 Spider Sport	Online Diecast Creations Co.	55425.77	PN238558
10100	1936 Mercedes Benz 500k Roadster	Online Diecast Creations Co.	55425.77	PN238558

12 rows in set (0.05 sec)

```
mysql>
```

Question 2:

```
mysql> SELECT o.orderNumber,SUM(pm.amount) AS total_paid_amount_for_the_order_10110
-> FROM orders o
-> JOIN orderdetails od
-> ON o.orderNumber = od.orderNumber
-> JOIN products p
-> ON od.productCode = p.productCode
-> JOIN customers c
-> ON o.customerNumber = c.customerNumber
-> JOIN payments pm
-> ON pm.customerNumber = c.customerNumber
-> WHERE o.orderNumber=10100;
```

```
mysql> SELECT o.orderNumber,SUM(pm.amount) AS total_paid_amount_for_the_order_10110
-> FROM orders o
-> JOIN orderdetails od
-> ON o.orderNumber = od.orderNumber
-> JOIN products p
-> ON od.productCode = p.productCode
-> JOIN customers c
-> ON o.customerNumber = c.customerNumber
-> JOIN payments pm
-> ON pm.customerNumber = c.customerNumber
-> WHERE o.orderNumber=10100;
```

orderNumber	total_paid_amount_for_the_order_10110
10100	465797.16

1 row in set (0.05 sec)

```
mysql>
```

Question 3:

```
mysql> SELECT DISTINCT o.orderNumber,pm.checkNumber
-> FROM orders o
-> JOIN orderdetails od
-> ON o.orderNumber = od.orderNumber
-> JOIN products p
-> ON od.productCode = p.productCode
-> JOIN customers c
-> ON o.customerNumber = c.customerNumber
-> JOIN payments pm
-> ON pm.customerNumber = c.customerNumber
-> WHERE o.orderNumber=10100;
```

```
Database changed
mysql> SELECT DISTINCT o.orderNumber,pm.checkNumber
-> FROM orders o
-> JOIN orderdetails od
-> ON o.orderNumber = od.orderNumber
-> JOIN products p
-> ON od.productCode = p.productCode
-> JOIN customers c
-> ON o.customerNumber = c.customerNumber
-> JOIN payments pm
-> ON pm.customerNumber = c.customerNumber
-> WHERE o.orderNumber=10100;
+-----+-----+
| orderNumber | checkNumber |
+-----+-----+
| 10100 | HL575273 |
| 10100 | IS232033 |
| 10100 | PN238558 |
+-----+-----+
3 rows in set (0.00 sec)

mysql>
```

Question 4:

```
mysql> SELECT MIN(quantityInStock) AS min_value_in_quantityInStock,
-> MAX(quantityInStock) AS max_value_in_quantityInStock
-> FROM products;
```

```
mysql> SELECT MIN(quantityInStock) AS min_value_in_quantityInStock,
-> MAX(quantityInStock) AS max_value_in_quantityInStock
-> FROM products;
+-----+-----+
| min_value_in_quantityInStock | max_value_in_quantityInStock |
+-----+-----+
| 15 | 9997 |
+-----+-----+
1 row in set (0.00 sec)

mysql>
```

Question 5:

```
mysql> SELECT p.productCode,p.productLine,pl.htmlDescription
-> FROM products p
-> JOIN productlines pl
-> ON p.productLine = pl.productLine
-> WHERE
-> p.productLine = (SELECT productLine FROM productlines WHERE productLine='Classic Cars')
-> AND
-> (productCode='S12_3380' OR productCode='S12_3891' OR productCode='S12_3990');
```

```
mysql> SELECT p.productCode,p.productLine,pl.htmlDescription
-> FROM products p
-> JOIN productlines pl
-> ON p.productLine = pl.productLine
-> WHERE
-> p.productLine = (SELECT productLine FROM productlines WHERE productLine='Classic Cars')
-> AND
-> (productCode='S12_3380' OR productCode='S12_3891' OR productCode='S12_3990');
```

productCode	productLine	htmlDescription
S12_3380	Classic Cars	NULL
S12_3891	Classic Cars	NULL
S12_3990	Classic Cars	NULL

3 rows in set (0.00 sec)

```
mysql>
```

Question 6:

```
mysql> SELECT COUNT(*)
-> FROM productlines
-> WHERE htmlDescription IS NULL;
```

```
ERROR 1146 (42502): Table 'classicmodels.productlines' doesn't exist
mysql> SELECT COUNT(*) FROM productLine WHERE htmlDescription IS NULL;
ERROR 1146 (42502): Table 'classicmodels.productLine' doesn't exist
mysql> SELECT COUNT(*)
-> FROM productlines
-> WHERE htmlDescription IS NULL;
```

COUNT(*)
7

1 row in set (0.00 sec)

```
mysql>
```

Question 7:

```
mysql> SELECT DATE_FORMAT('2019-07-18 12:49:24','%d-%b-%a') AS output;
```

```
mysql> SELECT DATE_FORMAT('2019-07-18 12:49:24','%d-%b-%a') AS output;
```

output
18-Jul-Thu

1 row in set (0.05 sec)

```
mysql>
```

Question 8:

mysql> SELECT amount FROM payments ORDER BY amount DESC LIMIT 2,1;

```
mysql> SELECT amount FROM payments ORDER BY amount DESC LIMIT 2,1;
+-----+
| amount |
+-----+
| 111654.40 |
+-----+
1 row in set (0.00 sec)

mysql>
```

Question 9:

mysql> SELECT amount FROM payments ORDER BY amount DESC LIMIT 2,1;

```
mysql> SELECT contactFirstName FROM customers WHERE contactFirstName LIKE 'C%a ';
+-----+
| contactFirstName |
+-----+
| Christina |
+-----+
1 row in set (0.00 sec)

mysql>
```

Question 10:

mysql> SELECT pl.productLine,pl.textDescription,pl.htmlDescription,pl.image
-> FROM productlines pl
-> JOIN
-> products p
-> ON p.productLine = pl.productLine
-> WHERE p.productLine <> pl.productLine;

```
Database changed
mysql> SELECT pl.productLine,pl.textDescription,pl.htmlDescription,pl.image
-> FROM productlines pl
-> JOIN
-> products p
-> ON p.productLine = pl.productLine
-> WHERE p.productLine <> pl.productLine;
Empty set (0.00 sec)

mysql>
```