

### Question 1 – Output

```
mysql> select * from stock;
```

StockID	BloodID	Qty
S101	B101	115
S102	B102	220
S103	B103	890
S104	B104	90
S105	B105	45
S106	B106	25
S107	B107	102
S108	B108	108

```
8 rows in set (0.05 sec)
```

```
mysql> update stock set qty=qty+10;
```

```
Query OK, 8 rows affected (0.50 sec)
```

```
Rows matched: 8  Changed: 8  Warnings: 0
```

```
mysql> select * from stock;
```

StockID	BloodID	Qty
S101	B101	125
S102	B102	230
S103	B103	900
S104	B104	100
S105	B105	55
S106	B106	35
S107	B107	112
S108	B108	118

```
8 rows in set (0.00 sec)
```

## Question 2 – Output

```
mysql> select * from labtech;
```

firstName	lastname	address	email	phone	dob
Alex	Paul	Australia	xyz@gmail.com	4556789098	2000-03-01
Tom	h	USA	tom@gmail.com	NULL	1998-01-05
Pam	K	UK	pam@gmail.com	NULL	2001-01-06
Lia	KL	Norway	lia@gmail.com	NULL	2002-02-02

```
4 rows in set (0.00 sec)
```

  

```
mysql> delete from labtech where date<'1999=01=01';
ERROR 1054 (42S22): Unknown column 'date' in 'where clause'
mysql> delete from labtech where dob<'1999=01=01';
Query OK, 1 row affected (0.25 sec)
```

  

```
mysql> select * from labtech;
```

firstName	lastname	address	email	phone	dob
Alex	Paul	Australia	xyz@gmail.com	4556789098	2000-03-01
Pam	K	UK	pam@gmail.com	NULL	2001-01-06
Lia	KL	Norway	lia@gmail.com	NULL	2002-02-02

```
3 rows in set (0.00 sec)
```

## Question 3 – Output

```
mysql> desc hospital;
```

Field	Type	Null	Key	Default	Extra
HospitalID	varchar(10)	NO	PRI	NULL	
OrderID	varchar(30)	NO		NULL	
Name	varchar(30)	NO		NULL	
Phone	varchar(30)	YES		NULL	
Address	varchar(50)	YES		NULL	

```
5 rows in set (0.13 sec)
```

  

```
mysql> select name as HospitalName, HospitalID AS ID FROM HOSPITAL;
```

HospitalName	ID
Ruby Hall	H101
Apollo	H102
Columbia Asia	H103
Nobel Hospital	H104
Care Hospital	H105

```
5 rows in set (0.04 sec)
```

## Question 4 – Output

```
mysql> select * from manager;
```

EmpID	Name	Phone	Address	email
M101	Jay	8989870904	123,Pune	jay@gmail.com
M102	Sia	45454570904	678,Chennai	sia23@gmail.com
M103	Aja	8787870904	890,Delhi	aja@gmail.com
M104	Max	7787870904	55,Mumbai	max@gmail.com

```
4 rows in set (0.03 sec)
```

```
mysql> select Concat(Name,EmpID) from manager;
```

Concat(Name,EmpID)
JayM101
SiaM102
AjaM103
MaxM104

```
4 rows in set (0.03 sec)
```

## Question 5 – Output

```
mysql> select * from donor;
```

donorID	firstName	lastname	address	phone	dob	bloodType	quantity
101	Alex	Paul	Germany	4556789098	2000-03-01	O+	230.12
102	Bell	Decroix	Dutch	3333339098	2003-05-06	B+	111.12
103	Cass	James	US	6556569098	2001-06-11	AB+	356.89
104	Jess	Day	UK	678977098	2002-08-04	O-	456.77
106	Jerry	k	Finland	NULL	NULL	B+	211.78
107	Terry	P	NULL	NULL	NULL	AB+	211.78
108	Mia	M	US	56789907	2000-03-07	B+	431.18
109	Anna	May	UK	223489907	2004-05-07	B-	543.18

```
8 rows in set (0.02 sec)
```

```
mysql> Select firstName from Donor where bloodType='B+';
```

firstName
Bell
Jerry
Mia

## Question 6 – Output

```
mysql> select * from blood;
```

BloodID	BloodType	BloodBankID	DateOfReg
B101	A+	BB101	2022-01-07
B102	B+	BB102	2022-01-22
B103	O+	BB102	2022-02-22
B104	AB+	BB103	2022-01-09
B105	A-	BB105	2022-01-19
B106	B-	BB104	2022-01-29
B107	O-	BB103	2022-01-18
B108	AB-	BB105	2022-01-15

```
8 rows in set (0.25 sec)
```

  

```
mysql> select * from blood where DateOfReg<'2022-01-18';
```

BloodID	BloodType	BloodBankID	DateOfReg
B101	A+	BB101	2022-01-07
B104	AB+	BB103	2022-01-09
B108	AB-	BB105	2022-01-15

```
3 rows in set (0.00 sec)
```

## Question 7 – Output

```
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'mysql> select * from donor;' at line 1
```

```
mysql> select * from donor;
```

donorID	firstName	lastName	address	phone	dob	bloodType	quantity
101	Alex	Paul	Germany	4556789098	2000-03-01	O+	230.12
102	Bell	Decroix	Dutch	3333339098	2003-05-06	B+	111.12
103	Cass	James	US	6556569098	2001-06-11	AB+	356.89
104	Jess	Day	UK	678977098	2002-08-04	O-	456.77
106	Jerry	k	Finland	NULL	NULL	B+	211.78
107	Terry	P	NULL	NULL	NULL	AB+	211.78
108	Mia	M	US	56789907	2000-03-07	B+	431.18
109	Anna	May	UK	223489907	2004-05-07	B-	543.18

```
8 rows in set (0.00 sec)
```

  

```
mysql> select firstName,lastName from donor where donorID IN (103,106,109,101);
```

firstName	lastName
Alex	Paul
Cass	James
Jerry	k
Anna	May

```
4 rows in set (0.00 sec)
```

## Question 8 – Output

```
mysql> select * from donor;
```

donorID	firstName	lastName	address	phone	dob	bloodType	quantity
101	Alex	Paul	Germany	4556789098	2000-03-01	O+	230.12
102	Bell	Decroix	Dutch	3333339098	2003-05-06	B+	111.12
103	Cass	James	US	6556569098	2001-06-11	AB+	356.89
104	Jess	Day	UK	678977098	2002-08-04	O-	456.77
106	Jerry	k	Finland	NULL	NULL	B+	211.78
107	Terry	P	NULL	NULL	NULL	AB+	211.78
108	Mia	M	US	56789907	2000-03-07	B+	431.18
109	Anna	May	UK	223489907	2004-05-07	B-	543.18

```
8 rows in set (0.00 sec)
```

  

```
mysql> SELECT FIRSTNAME FROM DONOR WHERE BLOODTYPE <> 'AB+';
```

FIRSTNAME
Alex
Bell
Jess
Jerry
Mia
Anna

```
6 rows in set (0.00 sec)
```

## Question 9 – Output

```
mysql> SELECT * FROM BLOOD;
```

BloodID	BloodType	BloodBankID	DateOfReg
B101	A+	BB101	2022-01-07
B102	B+	BB102	2022-01-22
B103	O+	BB102	2022-02-22
B104	AB+	BB103	2022-01-09
B105	A-	BB105	2022-01-19
B106	B-	BB104	2022-01-29
B107	O-	BB103	2022-01-18
B108	AB-	BB105	2022-01-15

```
8 rows in set (0.00 sec)
```

  

```
mysql> SELECT BLOODTYPE FROM BLOOD WHERE BLOODBANKID NOT IN ('BB101','BB102','BB104');
```

BLOODTYPE
AB+
O-
A-
AB-

```
4 rows in set (0.06 sec)
```

## Question 10 – Output

```
mysql> SELECT * FROM DONOR;
+-----+-----+-----+-----+-----+-----+-----+-----+
| donorID | firstName | lastname | address | phone | dob | bloodType | quantity |
+-----+-----+-----+-----+-----+-----+-----+
| 101 | Alex | Paul | Germany | 4556789098 | 2000-03-01 | O+ | 230.12 |
| 102 | Bell | Decroix | Dutch | 3333339098 | 2003-05-06 | B+ | 111.12 |
| 103 | Cass | James | US | 6556569098 | 2001-06-11 | AB+ | 356.89 |
| 104 | Jess | Day | UK | 678977098 | 2002-08-04 | O- | 456.77 |
| 106 | Jerry | k | Finland | NULL | NULL | B+ | 211.78 |
| 107 | Terry | P | NULL | NULL | NULL | AB+ | 211.78 |
| 108 | Mia | M | US | 56789907 | 2000-03-07 | B+ | 431.18 |
| 109 | Anna | May | UK | 223489907 | 2004-05-07 | B- | 543.18 |
+-----+-----+-----+-----+-----+-----+-----+
8 rows in set (0.00 sec)

mysql> SELECT FIRSTNAME FROM DONOR WHERE DOB BETWEEN '2001-01-01' AND '2003-01-01';
+-----+
| FIRSTNAME |
+-----+
| Cass |
| Jess |
+-----+
2 rows in set (0.03 sec)
```

## Question 11 – Output

```
mysql> SELECT DISTINCT ADDRESS FROM DONOR;
+-----+
| ADDRESS |
+-----+
| Germany |
| Dutch |
| US |
| UK |
| Finland |
| NULL |
+-----+
6 rows in set (0.03 sec)
```

## Question 12 – Output

```
mysql> SELECT * FROM DONOR;
+-----+-----+-----+-----+-----+-----+-----+-----+
| donorID | firstName | lastname | address | phone | dob | bloodType | quantity |
+-----+-----+-----+-----+-----+-----+-----+
| 101 | Alex | Paul | Germany | 4556789098 | 2000-03-01 | O+ | 230.12 |
| 102 | Bell | Decroix | Dutch | 3333339098 | 2003-05-06 | B+ | 111.12 |
| 103 | Cass | James | US | 6556569098 | 2001-06-11 | AB+ | 356.89 |
| 104 | Jess | Day | UK | 678977098 | 2002-08-04 | O- | 456.77 |
| 106 | Jerry | k | Finland | NULL | NULL | B+ | 211.78 |
| 107 | Terry | P | NULL | NULL | NULL | AB+ | 211.78 |
| 108 | Mia | M | US | 56789907 | 2000-03-07 | B+ | 431.18 |
| 109 | Anna | May | UK | 223489907 | 2004-05-07 | B- | 543.18 |
+-----+-----+-----+-----+-----+-----+-----+
8 rows in set (0.00 sec)

mysql> SELECT FIRSTNAME FROM DONOR WHERE ADDRESS='US';
+-----+
| FIRSTNAME |
+-----+
| Cass |
| Mia |
+-----+
```

### Question 13 – Output

```
mysql> SELECT * FROM DONOR WHERE PHONE IS NULL;
+-----+-----+-----+-----+-----+-----+-----+-----+
| donorID | firstName | lastname | address | phone | dob | bloodType | quantity |
+-----+-----+-----+-----+-----+-----+-----+
| 106 | Jerry | k | Finland | NULL | NULL | B+ | 211.78 |
| 107 | Terry | P | NULL | NULL | NULL | AB+ | 211.78 |
+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

### Question 14 – Output

```
mysql> SELECT FIRSTNAME, LASTNAME FROM DONOR WHERE DOB IS NULL;
+-----+-----+
| FIRSTNAME | LASTNAME |
+-----+-----+
| Jerry | k |
| Terry | P |
+-----+-----+
2 rows in set (0.00 sec)
```

### Question 15 – Output

```
mysql> SELECT * FROM HOSPITAL;
+-----+-----+-----+-----+-----+
| HospitalID | OrderID | Name | Phone | Address |
+-----+-----+-----+-----+-----+
| H101 | 0101 | Ruby Hall | 3467876543 | Pune |
| H102 | 0102 | Apollo | 6678776543 | Mumbai |
| H103 | 0103 | Columbia Asia | 6758986543 | Chennai |
| H104 | 0104 | Nobel Hospital | 9898986543 | Pune |
| H105 | 0105 | Care Hospital | 9076786543 | Delhi |
+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> SELECT NAME, HOSPITALID FROM HOSPITAL WHERE Address='Pune';
+-----+-----+
| NAME | HOSPITALID |
+-----+-----+
| Ruby Hall | H101 |
| Nobel Hospital | H104 |
+-----+-----+
2 rows in set (0.00 sec)
```

## Question 16 – Output

```
mysql> select * from manager;
```

EmpID	Name	Phone	Address	email
M101	Jay	8989870904	123,Pune	jay@gmail.com
M102	Sia	45454570904	678,Chennai	sia23@gmail.com
M103	Aja	8787870904	890,Delhi	aja@gmail.com
M104	Max	7787870904	55,Mumbai	max@gmail.com

```
4 rows in set (0.00 sec)
```

  

```
mysql> select * from manager where name like 'a%a';
```

EmpID	Name	Phone	Address	email
M103	Aja	8787870904	890,Delhi	aja@gmail.com

```
1 row in set (0.04 sec)
```

## Question 17 – Output

```
mysql> select * from manager where name like '_i%';
```

EmpID	Name	Phone	Address	email
M102	Sia	45454570904	678,Chennai	sia23@gmail.com

```
1 row in set (0.00 sec)
```

## Question 18 – Output

```
mysql> select * from donor;
```

donorID	firstName	lastName	address	phone	dob	bloodType	quantity
101	Alex	Paul	Germany	4556789098	2000-03-01	O+	230.12
102	Bell	Decroix	Dutch	3333339098	2003-05-06	B+	111.12
103	Cass	James	US	6556569098	2001-06-11	AB+	356.89
104	Jess	Day	UK	678977098	2002-08-04	O-	456.77
106	Jerry	k	Finland	NULL	NULL	B+	211.78
107	Terry	P	NULL	NULL	NULL	AB+	211.78
108	Mia	M	US	56789907	2000-03-07	B+	431.18
109	Anna	May	UK	223489907	2004-05-07	B-	543.18

```
8 rows in set (0.00 sec)
```

  

```
mysql> select firstName,lastName,donorID FROM Donor ORDER BY DOB ASC;
```

firstName	lastName	donorID
Jerry	k	106
Terry	P	107
Alex	Paul	101
Mia	M	108
Cass	James	103
Jess	Day	104
Bell	Decroix	102
Anna	May	109



## Question 19 – Output

```
mysql>
mysql> SELECT * FROM STOCK;
+-----+-----+-----+
| StockID | BloodID | Qty |
+-----+-----+-----+
| S101    | B101    | 125 |
| S102    | B102    | 230 |
| S103    | B103    | 900 |
| S104    | B104    | 100 |
| S105    | B105    | 55  |
| S106    | B106    | 35  |
| S107    | B107    | 112 |
| S108    | B108    | 118 |
+-----+-----+-----+
8 rows in set (0.00 sec)

mysql> SELECT STOCKID,QTY FROM STOCK ORDER BY Qty DESC;
+-----+-----+
| STOCKID | QTY |
+-----+-----+
| S103    | 900 |
| S102    | 230 |
| S101    | 125 |
| S108    | 118 |
| S107    | 112 |
| S104    | 100 |
| S105    | 55  |
| S106    | 35  |
+-----+-----+
8 rows in set (0.00 sec)
```

## Question 20 – Output

```
mysql> select * from donor;
+-----+-----+-----+-----+-----+-----+-----+-----+
| donorID | firstName | lastName | address | phone | dob | bloodType | quantity |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 101 | Alex | Paul | Germany | 4556789098 | 2000-03-01 | O+ | 230.12 |
| 102 | Bell | Decroix | Dutch | 3333339098 | 2003-05-06 | B+ | 111.12 |
| 103 | Cass | James | US | 6556569098 | 2001-06-11 | AB+ | 356.89 |
| 104 | Jess | Day | UK | 678977098 | 2002-08-04 | O- | 456.77 |
| 106 | Jerry | k | Finland | NULL | NULL | B+ | 211.78 |
| 107 | Terry | P | NULL | NULL | NULL | AB+ | 211.78 |
| 108 | Mia | M | US | 56789907 | 2000-03-07 | B+ | 431.18 |
| 109 | Anna | May | UK | 223489907 | 2004-05-07 | B- | 543.18 |
+-----+-----+-----+-----+-----+-----+-----+-----+
8 rows in set (0.00 sec)

mysql> Select donorID,fistName,lastName from donor order by DOB ASC,QUANTITY DESC;
ERROR 1054 (42S22): Unknown column 'fistName' in 'field list'
mysql>
mysql> Select donorID,firstName,lastName from donor order by DOB ASC,QUANTITY DESC;
+-----+-----+-----+
| donorID | firstName | lastName |
+-----+-----+-----+
| 106 | Jerry | k |
| 107 | Terry | P |
| 101 | Alex | Paul |
| 108 | Mia | M |
| 103 | Cass | James |
| 104 | Jess | Day |
| 102 | Bell | Decroix |
| 109 | Anna | May |
+-----+-----+-----+
8 rows in set (0.00 sec)
```