Question 1 – Output

```
mysql> select * from stock;
 StockID | BloodID | Qty
 S101
           B101
                      115
 S102
          B102
                      220
 S103
           B103
                      890
 S104
          B104
                       90
 S105
                       45
          B105
 S106
                       25
           B106
 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
                       55
           B105
 S106
           B106
                       35
 S107
          B107
                      112
                      118
 S108
           B108
8 rows in set (0.00 sec)
```

Question 2 – Output

```
nysql> select * from labtech;
 firstName | lastname | address
                                    email
                                                               dob
                                                  phone
                                    xyz@gmail.com
 Alex
             Paul
                        Australia
                                                    4556789098
                                                                 2000-03-01
                        USA
                                    tom@gmail.com | NULL
                                                                 1998-01-05
 Tom
             h
                        UK
                                                    NULL
 Pam
                                    pam@gmail.com
                                                                 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
                                    xyz@gmail.com
pam@gmail.com
                                                                 2000-03-01
             Paul
                                                    4556789098
                        Australia
 Pam
             K
                        UK
                                                  NULL
                                                                 2001-01-06
                       Norway
 Lia
           KL
                                   lia@gmail.com
                                                  NULL
                                                                 2002-02-02
 rows in set (0.00 sec)
```

Question 3 – Output

```
mysql> desc hospital;
                          | Null | Key | Default | Extra
 Field
            Type
 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
 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
 rows in set (0.04 sec)
```

Question 4 – Output

```
mysql> select * from manager;
 EmpID | Name
                 Phone
                                Address
                                              email
                 8989870904
                                123, Pune
                                               jay@gmail.com
 M101
          Jay
                                678, Chennai
                                               sia23@gmail.com
 M102
          Sia
                 45454570904
 M103
         Aja
                 8787870904
                                890,Delhi
                                               aja@gmail.com
 M104
         Max
                 7787870904
                                55,Mumbai
                                              max@gmail.com
 rows in set (0.03 sec)
```

Question 5 – Output

```
nysql> select * from donor;
 donorID | firstName | lastname
                                   address
                                              phone
                                                           dob
                                                                         bloodType | quantity
     101
            Alex
                        Paul
                                    Germany
                                              4556789098
                                                            2000-03-01
                                                                         0+
                                                                                        230.12
     102
            Bell
                        Decroix
                                    Dutch
                                              3333339098
                                                            2003-05-06
                                                                         B+
                                                                                        111.12
     103
            Cass
                        James
                                   US
                                              6556569098
                                                            2001-06-11
                                                                                        356.89
                                                                         AB+
     104
            Jess
                        Day
                                   UK
                                              678977098
                                                            2002-08-04
                                                                                        456.77
                                                                         0-
     106
            Jerry
                        k
                                    Finland
                                              NULL
                                                           NULL
                                                                         B+
                                                                                        211.78
                        Ρ
     107
            Terry
                                   NULL
                                              NULL
                                                           NULL
                                                                         AB+
                                                                                        211.78
                        Μ
                                                            2000-03-07
                                                                                        431.18
     108
           Mia
                                   US
                                              56789907
                                                                         B+
     109
           Anna
                        May
                                   UK
                                              223489907
                                                           2004-05-07
                                                                                        543.18
                                                                         B-
8 rows in set (0.02 sec)
nysql> 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
           0+
                      BB102
                                      2022-02-22
 B104
           AB+
                       BB103
                                      2022-01-09
 B105
           Α-
                       BB105
                                      2022-01-19
           B-
 B106
                       BB104
                                      2022-01-29
 B107
          0-
                      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
                       BB101
                                      2022-01-07
           Α+
 B104
           AB+
                       BB103
                                      2022-01-09
 B108
           AB-
                      BB105
                                      2022-01-15
 rows in set (0.00 sec)
```

Question 7 - Output

```
nysql> select * from donor;
 donorID | firstName | lastname | address | phone
                                                        dob
                                                                     | bloodType | quantity |
                                             4556789098
                                                          2000-03-01 | 0+
     101
           Alex
                       Paul
                                   Germany |
                                                                                     230.12
     102
           Bell
                       Decroix
                                             3333339098
                                                          2003-05-06
                                                                       B+
                                                                                     111.12
                                   Dutch
                                                                                     356.89
     103
           Cass
                       James
                                   US
                                             6556569098
                                                          2001-06-11
                                                                       AB+
                                                                                     456.77
     104
           Jess
                       Day
                                  UK
                                             678977098
                                                          2002-08-04
                                                                       0-
     106
                                   Finland
                                             NULL
                                                          NULL
                                                                       B+
                                                                                     211.78
           Jerry
     107
           Terry
                                  NULL
                                             NULL
                                                          NULL
                                                                       AB+
                                                                                     211.78
                                                          2000-03-07
                                                                                     431.18
     108
                                             56789907
           Mia
                                  US
                                                                       B+
                       May
     109 l
                                  UK
                                             223489907
                                                          2004-05-07
                                                                                     543.18
           Anna
                                                                       B-
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
 rows in set (0.00 sec)
```

Question 8 – Output

```
ysql> select * from donor;
  donorID | firstName | lastname | address | phone
                                                        dob
                                                                     | bloodType | quantity |
      101
                        Paul
                                             4556789098
                                                          2000-03-01 | 0+
           Alex
                                   Germany
                                                                                     230.12
                                                          2003-05-06
           Bell
                        Decroix
      102
                                   Dutch
                                             3333339098
                                                                       B+
                                                                                     111.12
      103
                        James
                                   US
                                             6556569098
                                                          2001-06-11
                                                                                     356.89
           Cass
                                                                       AB+
      104
                       Day
                                   UK
                                             678977098
                                                          2002-08-04
                                                                                     456.77
           Jess
                                   Finland
                                                                                     211.78
                                             NULL
                                                          NULL
      106
           Jerry
                                                                       B+
      107
           Terry
                                  NULL
                                             NULL
                                                          NULL
                                                                       AB+
                                                                                     211.78
                                             56789907
                                                          2000-03-07
                                                                                     431.18
      108
           Mia
                                                                       B+
                       May
      109
           Anna
                                  UK
                                             223489907
                                                          2004-05-07 B-
                                                                                     543.18
8 rows in set (0.00 sec)
 ysql> SELECT FIRSTNAME FROM DONOR WHERE BLOODTYPE <> 'AB+';
 FIRSTNAME |
 Alex
 Bell
  Jess
  Jerry
 Mia
  Anna
  rows in set (0.00 sec)
```

Question 9 - Output

```
nysql> SELECT * FROM BLOOD;
 BloodID | BloodType | BloodBankID | DateOfReg
 B101
            A+
                        BB101
                                       2022-01-07
                                       2022-01-22
            B+
 B102
                        BB102
                                       2022-02-22
 B103
            0+
                        BB102
                                       2022-01-09
 B104
            AB+
                        BB103
 B105
                        BB105
                                       2022-01-19
                                       2022-01-29
 B106
            B-
                        BB104
                                       2022-01-18
 B107
            0-
                        BB103
                                       2022-01-15
 B108
           AB-
                        BB105
8 rows in set (0.00 sec)
nysql> SELECT BLOODTYPE FROM BLOOD WHERE BLOODBANKID NOT IN ('BB101','BB102','BB104');
 BL00DTYPE |
 AB+
 AB-
 rows in set (0.06 sec)
```

Question 10 – Output

onorID	firstName	lastname	address	phone	dob	bloodType	quantity
101	Alex	Paul	Germany	4556789098	2000-03-01	+	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	0-	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
	+		R WHERE DOB	B BETWEEN '200	01-01-01' AND	'2003-01-01	' ;

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;
                                                                      | bloodType | quantity
 donorID
           firstName | lastname |
                                  address
                                                         dob
                                             4556789098
                                                           2000-03-01
     101
           Alex
                        Paul
                                   Germany
                                                                                       230.12
     102
           Bell
                        Decroix
                                   Dutch
                                             3333339098
                                                           2003-05-06
                                                                        B+
                                                                                       111.12
                                                           2001-06-11
                                             6556569098
     103
                        James
                                                                        AB+
                                                                                       356.89
                                                           2002-08-04
     104
                                   UK
                                             678977098
           Jess
                        Day
                                                                        0-
                                                                                      456.77
     106
                                   Finland
                                                                        B+
                                                                                       211.78
           Jerry
                                             NULL
                                                           NULL
     107
           Terry
                                   NULL
                                             NULL
                                                           NULL
                                                                        AB+
                                                                                       211.78
                                             56789907
     108
           Mia
                                                           2000-03-07
                                                                        B+
                                                                                      431.18
                       May
                                   UK
     109
                                             223489907
                                                           2004-05-07
                                                                                      543.18
           Anna
                                                                        B-
 rows in set (0.00 sec)
mysql> SELECT FIRSTNAME FROM DONOR WHERE ADDRESS='US';
 FIRSTNAME
 Cass
 Mia
```

Question 13 – Output

mysql> SELECT * FROM D						
donorID firstName	lastname	address	phone	dob	bloodType	quantity
106 Jerry 107 Terry	k P	 Finland NULL	NULL NULL	NULL NULL	B+ AB+	211.78 211.78
+2 rows in set (0.00 se		+	+	+		

Question 14 – Output

Question 15 – Output

```
mysql> SELECT * FROM HOSPITAL;
 HospitalID | OrderID | Name
                                 Phone
                                            Address
           0101 | Ruby Hall
                                 3467876543
 H101
                                              Pune
                  0102
 H102
                                              Mumbai
          0103
0104
 H103
                                              Chennai
 H104
           0104
                                              Pune
          | 0105 | Care Hospital | 9076786543 | Delhi
 H105
rows in set (0.00 sec)
mysql> SELECT NAME,HOSPITALID FROM HOSPITAL WHERE Address='Pune';
 NAME
              HOSPITALID
 Ruby Hall | H101
 Nobel Hospital | H104
 rows in set (0.00 sec)
```

Question 16 - Output

Question 17 - Output

Question 18 – Output

donorID	firstName	lastname	address	phone	dob	bloodType	quantity
101	Alex	Paul	Germany	4556789098	2000-03-01	+ 0+	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 UK	678977098	2002-08-04	0-	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
	et (0.00 sec		donorID FRO	OM Donor ORDEF	R BY DOB ASC;	+	+
/sql> sele		,LastName,	+donorID FR(+ 	DM Donor ORDEF	R BY DOB ASC;	+	+
/sql> sele firstName	ct firstName	,LastName,o + donorID +	+ donorID FR(+ 	DM Donor ORDEF	R BY DOB ASC;		+
/sql> sele	ct firstName -+ LastName -+	,LastName,	+donorID FR0 + 	DM Donor ORDEF	R BY DOB ASC;		+
/sql> sele firstName Jerry	ct firstName -+ LastName -+ k	,LastName, + donorID +	donorID FR0 + - - -	DM Donor ORDEF	R BY DOB ASC;	•	•
/sql> sele firstName Jerry Terry	ct firstName -+ LastName -+ k P	,LastName, + donorID + 106 107	donorID FR0 + - - - -	OM Donor ORDEF	R BY DOB ASC;		
/sql> sele firstName Jerry Terry Alex Mia	ct firstName LastName k P	donorID 106 107 101	donorID FR0 + - - - - -	OM Donor ORDEF	R BY DOB ASC;		
/sql> sele firstName Jerry Terry Alex Mia	ct firstName LastName k P Paul M	donorID 106 107 101	donorID FR0 + - - - - - -	DM Donor ORDEF	R BY DOB ASC;		•
/sql> sele firstName Jerry Terry Alex Mia Cass	ct firstName 	donorID 106 107 101 108 103	donorID FR0 + - - - - - - -	DM Donor ORDEF	R BY DOB ASC;		

Question 19 - Output

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

Question 20 – Output

```
nysql> select * from donor;
 donorID | firstName | lastname | address | phone
                                                             dob
                                                                           | bloodType | quantity |
                                                 4556789098
                                                               2000-03-01
                                                                                             230.12
      101
            Alex
                         Paul
                                      Germany
                                                                             0+
                                                                                             111.12
      102
            Bell
                         Decroix
                                      Dutch
                                                 3333339098
                                                               2003-05-06
                                                                             B+
                                                               2001-06-11
      103
                                     US
                                                 6556569098
                                                                             AB+
                                                                                             356.89
            Cass
                          James
                                     UK
                                                               2002-08-04
                                                                                             456.77
      104
            Jess
                         Day
                                                 678977098
                                     Finland
                                                NULL
                                                               NULL
                                                                                             211.78
      106
            Jerry
                         k
                                                                             B+
            Terry
                                     NULL
                                                 NULL
                                                               NULL
                                                                             AB+
                                                                                             211.78
                                     US
                                                               2000-03-07
                                                                                             431.18
      108
            Mia
                                                 56789907
                                                                             B+
      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'
nysql>
nysql> Select donorID,firstName,lastName from donor order by DOB ASC,QUANTITY DESC;
 donorID | firstName | lastName |
      106
            Jerry
                         k
      107
            Terry
                         Paul
      101
            Alex
      108
            Mia
      103
                         James
      104
            Jess
                         Day
      102
            Bell
                         Decroix
                         May
      109
            Anna
 rows in set (0.00 sec)
```