customers

```
+--------------------+--------------+------+-----+---------+-------+
| Field              | Type         | Null | Key | Default | Extra |
+--------------------+--------------+------+-----+---------+-------+
| customerid         | int(11)      | NO   | PRI | NULL    |       |
| companyname        | varchar(100) | NO   |     | NULL    |       |
| firstname          | varchar(30)  | NO   |     | NULL    |       |
| lastname           | varchar(30)  | NO   |     | NULL    |       |
| billingaddress     | varchar(255) | NO   |     | NULL    |       |
| city               | varchar(30)  | NO   |     | NULL    |       |
| stateofprovince    | varchar(100) | NO   |     | NULL    |       |
| zipcode            | varchar(20)  | YES  |     | NULL    |       |
| email              | varchar(255) | YES  |     | NULL    |       |
| companywebsite     | varchar(255) | YES  |     | NULL    |       |
| phonenumber        | varchar(30)  | YES  |     | NULL    |       |
| faxnumber          | varchar(30)  | YES  |     | NULL    |       |
| shipaddress        | varchar(255) | NO   |     | NULL    |       |
| shipcity           | varchar(50)  | NO   |     | NULL    |       |
| shipstateofprovince| varchar(50)  | NO   |     | NULL    |       |
| shipzipcode        | varchar(20)  | NO   |     | NULL    |       |
| shipphonenumber    | varchar(30)  | NO   |     | NULL    |       |
| notes              | text         | YES  |     | NULL    |       |
+--------------------+--------------+------+-----+---------+-------+
```

products

```
+-------------+--------------+------+-----+---------+-------+
| Field       | Type         | Null | Key | Default | Extra |
+-------------+--------------+------+-----+---------+-------+
| productid   | int(11)      | NO   | PRI | NULL    |       |
| productname | varchar(100) | NO   |     | NULL    |       |
| unitprice   | double       | YES  |     | NULL    |       |
| instock     | char(1)      | YES  |     | NULL    |       |
+-------------+--------------+------+-----+---------+-------+
```

shippingmethods

```
+-----------------+--------------+------+-----+---------+-------+
| Field           | Type         | Null | Key | Default | Extra |
+-----------------+--------------+------+-----+---------+-------+
| shippingmethodid| int(11)      | NO   | PRI | NULL    |       |
| shippingmethod  | varchar(100) | NO   |     | NULL    |       |
+-----------------+--------------+------+-----+---------+-------+
```

employees

```
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| employeeid | int(11)     | NO   | PRI | NULL    |       |
| firtname   | varchar(30) | NO   |     | NULL    |       |
| lastname   | varchar(30) | NO   |     | NULL    |       |
| title      | varchar(30) | YES  |     | NULL    |       |
| workphone  | varchar(20) | YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
```

orders

```
+--------------------+-------------+------+-----+---------------------+---------------------------+
| Field              | Type        | Null | Key | Default             | Extra                     |
+--------------------+-------------+------+-----+---------------------+---------------------------+
| orderid            | int(11)     | NO   | PRI | NULL                |                           |
| customerid         | int(11)     | YES  | MUL | NULL                |                           |
| employeeid         | int(11)     | YES  | MUL | NULL                |                           |
| orderdate          | timestamp   | NO   |     | CURRENT_TIMESTAMP   | on update CURRENT_TIMESTAMP |
| purchaseordernumber | varchar(30) | YES  |     | NULL                |                           |
| shipdate           | timestamp   | NO   |     | 0000-00-00 00:00:00 |                           |
| shippingmethodid   | int(11)     | YES  | MUL | NULL                |                           |
| freightcharge      | double      | YES  |     | NULL                |                           |
| taxes              | double      | YES  |     | NULL                |                           |
| paymentreceived    | char(1)     | YES  |     | NULL                |                           |
| comment            | text        | YES  |     | NULL                |                           |
+--------------------+-------------+------+-----+---------------------+---------------------------+
```

orderdetails

```
+---------------+---------+------+-----+---------+-------+
| Field         | Type    | Null | Key | Default | Extra |
+---------------+---------+------+-----+---------+-------+
| orderdetailid | int(11) | NO   | PRI | NULL    |       |
| orderid       | int(11) | YES  | MUL | NULL    |       |
| productid     | int(11) | YES  |     | NULL    |       |
| quantity      | int(11) | YES  |     | NULL    |       |
| unitprice     | double  | YES  |     | NULL    |       |
| discount      | double  | YES  |     | NULL    |       |
+---------------+---------+------+-----+---------+-------+
```

SOAL:

1. Buatlah SQL untuk membuat database pengapalan dan pengiriman ekspedisi barang. Nama database adalah __dbShipping__ dengan 6 tabel sebagaimana struktur database yang di sajikan pada halaman 1 dan 2 di atas. Lakukan proses import data yang disertakan dalam praktikum ini. Perhatikan format data dan tipe data yang digunakan sehingga validitas data dapat digunakan untuk pemrosesan data nomor berikutnya

2. Tulis SQL untuk setiap output di bawah ini, pastikan data yang ditampilkan sesuai dengan permintaan soal. Jika belum sama, maka perhatikan kembali soal nomor 1 di atas dan pastikan seluruh output harus sama dengan output di bawah ini:

Nomor 2.1: Tampilkan Data Customer

```
+----+-----------+-----------+---------------+---------------------------+---------------+---------------+---------------+----------------+
| id | company   | name      | billingaddress | website                   | phonenumber   | faxnumber     | address       | shipphonenumber |
+----+-----------+-----------+---------------+---------------------------+---------------+---------------+---------------+----------------+
|  1 | A. Datum C | Terry Adam | 1234 Brown   | http://www.adatum.com/     | (606) 555-0134 | (425) 555-0144 | 1234 Brown Stre | (425) 555-0134 |
|  2 | Contoso, L | Jo Berry   | 4567 Green   | http://www.contoso.com/    | (425) 555-0135 | (425) 555-0145 | 4567 Green Road | (425) 555-0135 |
|  3 | Trey Resea | Kim Akers  | 5678 Yello   | http://www.treyresearch.net/ | (425) 555-0136 | (425) 555-0146 | 5678 Yellow Pla | (425) 555-0136 |
|  4 | Litware, I | Robin Coun | 2345 Brick   | http://www.litwareinc.com  | (806) 555-0137 | (806) 555-0147 | 2345 Brick Road | (806) 555-0137 |
+----+-----------+-----------+---------------+---------------------------+---------------+---------------+---------------+----------------+
```

Nomor 2.2: Tampilkan Data Employees

```
+------------+-----------+----------+---------------------+---------------+
| employeeid | firstname | lastname | title               | workphone     |
+------------+-----------+----------+---------------------+---------------+
|          1 | Adam      | Barr     | Sales Representative | (206) 555-0123 |
|          2 | Oliver    | Cox      | Sales Manager       | (206) 555-0126 |
|          3 | Chris     | Cannon   | Sales Representative | (206) 555-0125 |
|          4 | Eva       | Corets   | Product Manager     | (206) 555-0127 |
|          5 | Doris     | Hartwig  | Sales Representative | (206) 555-0128 |
+------------+-----------+----------+---------------------+---------------+
```

Nomor 2.3: Tampilkan Data Products

```
+-----------+-------------+-----------+---------+
| productid | productname | unitprice | instock |
+-----------+-------------+-----------+---------+
|         1 | Blue Mug    |       2.5 | 1       |
|         2 | Red Mug     |         4 | 1       |
|         3 | Green Mug   |       2.5 | 1       |
|         4 | Black Mug   |         5 | 1       |
|         5 | Yellow Mug  |       2.5 | 1       |
|         6 | Silver Mug  |         7 | 1       |
|         7 | Gold Mug    |       7.5 | 1       |
|         8 | White Mug   |         4 | 1       |
|         9 | US Flag Mug |         5 | 1       |
+-----------+-------------+-----------+---------+
```

Nomor 2.4: Tampilkan Data Shipping Method

```
+-----------------+------------------+
| shippingmethodid | shippingmethod  |
+-----------------+------------------+
|               1 | Federal Express  |
|               2 | UPS Ground       |
|               3 | UPS Second Day   |
|               4 | US Mail Overnight |
|               5 | US Certified Mail |
+-----------------+------------------+
```

Nomor 2.5: Tampilkan Data Order Details |

orderdetailid	orderid	productid	quantity	unitprice	discount
1	1	4	15	5	0
2	2	7	10	7.5	0
3	3	8	5	4	0
5	4	9	100	5	0.05
6	5	6	5	7	0
7	5	9	30	5	0.05
9	1	1	9	6	0
11	13	4	1	5	0
12	13	1	2	2.5	0
13	13	7	1	7.5	0

Nomor 2.6: Tampilkan Data Orders

orderid	customerid	employeeid	orderdate	purchaseordernumber	shipdate	shippingmethodid	freightcharge	taxes	paymentreceived	comment
1	2	1	2005-04-23 00:00:00	10	2005-04-29 00:00:00	1	64	5	0	
2	1	1	2005-03-23 00:00:00	11	2005-03-29 00:00:00	1	0	5	0	
3	3	3	2005-01-21 00:00:00	30	2005-06-28 00:00:00	5	0	5	0	
4	2	2	2005-05-05 00:00:00	26	2005-09-19 00:00:00	2	0	5	0	
5	4	5	2005-05-02 00:00:00	32	2005-09-27 00:00:00	2	0	5	0	
13	1	1	2008-02-29 00:00:00	1	0000-00-00 00:00:00	2	50	5	0	

3. Tulislah perintah SQL:

Nomor 3.1: Tampilkan Data Berikut:

CustomerFirstName	CustomerLastName	CustomerCompany	ShippingMethod	EmployeesFirstName	EmployeesLastName	OrderDate	ShipDate	ProductName	UnitPrice
Terry	Adams	A. Datum Corporation	Federal Express	Adam	Barr	2005-03-23 00:00:00	2005-03-29 00:00:00	Gold Mug	7.5
Terry	Adams	A. Datum Corporation	UPS Ground	Adam	Barr	2008-02-29 00:00:00	0000-00-00 00:00:00	Black Mug	5
Terry	Adams	A. Datum Corporation	UPS Ground	Adam	Barr	2008-02-29 00:00:00	0000-00-00 00:00:00	Blue Mug	2.5
Terry	Adams	A. Datum Corporation	UPS Ground	Adam	Barr	2008-02-29 00:00:00	0000-00-00 00:00:00	Gold Mug	7.5
Jo	Berry	Contoso, Ltd	Federal Express	Adam	Barr	2005-04-23 00:00:00	2005-04-29 00:00:00	Black Mug	5
Jo	Berry	Contoso, Ltd	UPS Ground	Oliver	Cox	2005-05-05 00:00:00	2005-09-19 00:00:00	US Flag Mug	5
Jo	Berry	Contoso, Ltd	Federal Express	Adam	Barr	2005-04-23 00:00:00	2005-04-29 00:00:00	Blue Mug	2.5
Kim	Akers	Trey Research	US Certified Mail	Chris	Cannon	2005-01-21 00:00:00	2005-06-28 00:00:00	White Mug	4
Robin	Counts	Litware, Inc	UPS Ground	Doris	Hartwig	2005-05-02 00:00:00	2005-09-27 00:00:00	Silver Mug	7
Robin	Counts	Litware, Inc	UPS Ground	Doris	Hartwig	2005-05-02 00:00:00	2005-09-27 00:00:00	US Flag Mug	5

Nomor 3.2: Tampilkan Data Berikut, syarat: Companyname = Contoso, LTD

productname	quantity	unitprice	discount	total	companyname	orderdate
Black Mug	15	5	0	75	Contoso, Ltd	2005-04-23 00:00:00
US Flag Mug	100	5	0.05	475	Contoso, Ltd	2005-05-05 00:00:00
Blue Mug	9	6	0	54	Contoso, Ltd	2005-04-23 00:00:00

Nomor 3.3: Tampilkan Data Berikut, syarat ShippingMethod = Federal Express:

shippingmethod	orderdate	firstname	lastname	billingaddress
Federal Express	2005-04-23 00:00:00	Jo	Berry	4567 Green Road
Federal Express	2005-03-23 00:00:00	Terry	Adams	1234 Brown Street

Nomor 3.4: Tampilkan Data Berikut, syarat: product name = Black Mug atau Blue Mug:

productname	unitprice	quantity	discount	productid	orderdate
Black Mug	5	15	0	4	2005-04-23 00:00:00
Blue Mug	6	9	0	1	2005-04-23 00:00:00
Black Mug	5	1	0	4	2008-02-29 00:00:00
Blue Mug	2.5	2	0	1	2008-02-29 00:00:00

Nomor 3.5: Tampilkan Data Berikut, title = SALES dan order date selama bulan Mei:

title	name	orderid	orderdate
Sales Manager	Oliver Cox	4	2005-05-05 00:00:00
Sales Representative	Doris Hartwig	5	2005-05-02 00:00:00

Nomor 3.6: Tampilkan Data Berikut, syarat: shippingmethod = UPS Ground:

name	orderdetailid	shippingmethod	orderdate
Oliver Cox	5	UPS Ground	2005-05-05 00:00:00
Doris Hartwig	6	UPS Ground	2005-05-02 00:00:00
Doris Hartwig	7	UPS Ground	2005-05-02 00:00:00
Adam Barr	11	UPS Ground	2008-02-29 00:00:00
Adam Barr	12	UPS Ground	2008-02-29 00:00:00
Adam Barr	13	UPS Ground	2008-02-29 00:00:00