LAB EXERCISE

You have the following 3 tables given below. Imagine that these tables contains thousands of data. The ones you see below is just the part of the tables.
In this database the tourism company, tours and category of the tour information are kept.
The texts in italic shows the date type and size of the attributes.

Companies (CompanyID is the primary key of the Company Table)

CompanyID *number(4)*	CompanyName *varchar (10)*	Phone *number(11)*
0001	Café Tur	02124578977
0002	ETS	02124565687
0003	SETUR	02127132222
0004	Jolly Tur	02162629878
0005	Capital	02125572000

Tours (TourID is the primary key of the Tour Table)

TourID *Number (3)*	TourName *Varchar (12)*	CategoryNo**(F.K.)** *Number (1)*	Guide *Varchar (20)*	Price *Number (5)*	StartDate *Date*	**C_ID (F.K.)** *number(4)*
975	France	1	T.Vural		12-03-2013	0001
978	South Africa	2	F. Akan	3700	30-11-2012	0002
975	Italy Culture	3	S.Gonzales	2600		0003
977	France	4	K. Fabien	2000	24-12-2012	0002
994	Egypt	3	S.Pfeizer	1800		0005

Categories (Cat_ID is the primary key for the categories table)

Cat_ID *Number(1)*	CategoryName *Varchar(20)*
1	Culture
2	Safari
3	Scuba Diving
4	Other

Question 1: Create the necessary 3 tables given above for a tourism company.

a)

```
Create Table Companies(

companyID number(4),
companyName varchar(10),
```

```
phone number(11),
primary key(companyID)
);
```

b)

```
Create Table Categories(
Cat_ID number(1),
CategoryName varchar(20),
primary key(Cat_ID)
);
```

c)

```
Create Table Tours (
TourID number (3),
TourName varchar (12),
CategoryNo number (1),
Guide varchar (20),
Price number(5),
StartDate Date,
C_ID number(4),

primary key (TourID),
Foreign Key(CategoryNo) references Categories (Cat_ID),
Foreign Key (C_ID) references Companies (companyID)
);
```

Question 2 : Insert only the first row data to each tables.

a)

```
INSERT INTO Companies VALUES(0001,'Cafe Tur',02124578977)
```

b)

```
INSERT INTO Categories VALUES(1,'Culture')
```

c)

```
INSERT INTO Tours VALUES(975,'Britain',1,'T.Vural', Null,'12.03.2013',0001)
```

Question 3: Change the price of the tour with id 975 as 2850

975	Britain	1	T.Vural	**2850**	12-03-2013	0001

```
UPDATE          tours
SET         price = 2850
WHERE           tourID=975;
```

Question 4 :

a) Display the category no, guide and price of the tours whose name is France

```
select CategoryNo, guide, price
from tours
where TourName='France'
```

b) Display the name of the tour, guide and price of the tours which has no date yet and whose guide name contains the letter 'z'.

```
Select TourName, Guide, price
from Tours
where  StartDate IS NULL and Guide LIKE '%z%'
```

Question 5 :

Display the company name, guide and category name of the tours whose price is lower than 2000

```
select c.companyName, t.guide, ca.categoryName
from companies c, tours t, categories ca
where
c.companyID=t.C_ID and t.CategoryNo=ca.Cat_ID and
 t.price<3000
```

Question 6:

a) What is the most closest tour date with respect to today?

```
select min (StartDate)
from tours
```

b) What is the average price for the tours according to the companies whose average price is greater than 2500.

```
select avg(t.price), c.companyName
from tours t, companies c
where t.C_ID=c.CompanyID
having avg(t.price)>2000
group by c.companyName
```