1. **Create the following table named "Charity" and write SQL queries for the tasks that follow:**

Table: Charity

P_Id	LastName	FirstName	Address	City	Contribution
1	Bindra	Jaspreet	5B, Gomti Nagar	Lucknow	3500.50
2	Rana	Monica	21 A, Bandra	Mumbai	2768.00
3	Singh	Jatinder	8, Punjabi Bagh	Delhi	2000.50
4	Arora	Satinder	K/1, Shere Punjab Colony	Mumbai	1900.00
5	Krishnan	Vineeta	A-75,Adarsh Nagar		

(Contribution is in Rs.)

I. Display all first names in lowercase

II. Display all last names of people of Mumbai city in uppercase

III. Display Person Id along with First 3 characters of his/her name.

IV. Display first name concatenated with last name for all the employees.

V. Display length of address along with Person Id

VI. Display last 2 characters of City and Person ID.

VII. Display Last Names and First names of people who have "at" in the second or third position in their first names.

VIII. Display the position of 'a' in Last name in every row.

IX. Display Last Name and First name of people who have "a" as the last character in their First names.

X. Display the first name and last name concatenated after removing the leading and trailing blanks.

XI. Display Person Id, last names and contribution rounded to the nearest rupee of all the persons.

XII. Display Person Id, last name and contribution with decimal digits truncated of all the persons.

XIII. Display Last name, contribution and a third column which has contribution divided by 10. Round it to two decimal points.

Answers:

1.

```
SELECT LOWER(first_name) FROM Charity;
```

2.

```
SELECT UPPER(last_name) FROM Charity WHERE city = 'Mumbai';
```

3.

```
SELECT p_Id, LEFT(first_name, 3) FROM Charity;
```

4.

```
SELECT CONCAT(first_name, last_name)  FROM Charity;
```

5.

```
SELECT p_id, LENGTH(address) FROM Charity;
```

6.

```
SELECT p_id, RIGHT(city, 2) FROM Charity;
```

7.

```
SELECT first_name, last_name FROM Charity WHERE first_name LIKE '%a';
```

8.

```
SELECT last_name, LOCATE('a', last_name)  FROM Charity;
```

9.

```
SELECT first_name, last_name  FROM charity WHERE first_name LIKE '%a';
```

10.

```
SELECT CONCAT(TRIM(first_name), TRIM(last_name)) FROM charity;
```

11.

```
SELECT p_id, last_name, ROUND(contribution)  FROM charity;
```

12.

```
SELECT p_id, last_name, TRUNC(contribution, 0) FROM charity;
```

13.

```
SELECT lastname, ROUND(contribution / 10, 2) FROM charity;
```

2. **Consider the table "Grocer" and write SQL queries for the tasks that follow:**

Table: Grocer

Item_Id	ItemName	UnitPrice	Quantity (kg)	Date_Purchase
1	Rice	52.50	80	2010-02-01
2	Wheat	25.40	50	2010-03-09
3	Corn	50.80	100	2010-03-11
4	Semolina	28.90	50	2010-01-15

(Unit Price is per kg price)

I. Display Item name, unit price along with Date of purchase for all the Items.

II. Display Item name along with Month (in number) when it was purchased for all the items.

III. Display Item name along with year in which it was purchased for all the items.

IV. Display Item Id, Date of Purchase and day name of week (e.g. Monday) on which it was purchased for all the items.

V. Display names of all the items that were purchased on Mondays or Tuesdays.

VI. Display the day name of the week on which Rice was purchased.

VII. Display the Item name and unit price truncated to integer value (no decimal digits)of all the items.

VIII. Display current date

Answer:

1.

```
SELECT item_name, unit_price, Date_purchase FROM Grocer;
```

2.

```
SELECT item_name, MONTH(Date_purchase) FROM Grocer;
```

3.

```
SELECT item_name, YEAR(Date_purchase) FROM Grocer;
```

4.

```
SELECT item_id, Date_purchase, DAYNAME(Date_purchase) FROM Grocer;
```

5.

```
SELECT item_name
FROM Grocer WHERE DAYNAME(Date_purchase) IN ('Monday', 'Tuesday');
```

6.

```
SELECT DAYNAME(Date_purchase) FROM Grocer WHERE ItemName = 'Rice';
```

7.

```
SELECT ItemName, TRUNCATE(unitprice, 0) FROM Grocer;
```

8.

```
SELECT CURRENT_DATE();
```