

Assignment 5

1. Display first name and last name after converting the first letter of each name to upper case and the rest to lower case.

Ans:

```
select Concat (Upper(left (First_name,1)),
lower(substring(First_name,2))) as First_name,Concat(Upper(left
(last_name,1)), lower(substring(last_name,2)))as Last_name from
employees LIMIT 15;
```

```
D4_PratikSatpute_62758>select Concat (Upper(left (First_name,1)), lower(substring(First_name,2))) as First_name,Concat
(Upper(left (last_name,1)), lower(substring(last_name,2)))as Last_name from employees LIMIT 20;
+-----+-----+
| First_name | Last_name |
+-----+-----+
| Ellen      | Abel      |
| Sundar     | Ande      |
| Mozhe      | Atkinson  |
| David      | Austin    |
| Hermann    | Baer      |
| Shelli     | Baida     |
| Amit       | Banda     |
| Elizabeth  | Bates     |
| Sarah      | Bell      |
| David      | Bernstein |
| Laura      | Bissot    |
| Harrison   | Bloom     |
| Alexis     | Bull      |
| Anthony    | Cabrio    |
| Gerald     | Cambrault |
| Nanette    | Cambrault |
| John       | Chen      |
| Kelly      | Chung     |
| Karen      | Colmenares|
| Curtis     | Davies     |
+-----+-----+
20 rows in set (0.00 sec)
```

2. Display the first word in job title.

Ans: select Left(job_title,1) from jobs;

```
D4_PratikSatpute_62758>select Left(job_title,1) from jobs;
+-----+
| Left(job_title,1) |
+-----+
| P
| A
| A
| F
| A
| A
| P
| S
| S
| P
| P
| S
| S
| S
| P
| M
| M
| H
| P
+-----+
19 rows in set (0.00 sec)
```

3. Display the length of first name for employees where last name contain character 'b' after 3rd position.

Ans: select length(First_name) from employees where Last_name like '__b%';

```
D4_PratikSatpute_62758>select length(First_name) from employees where Last_name like '__b%';
+-----+
| length(First_name) |
+-----+
| 7
| 5
+-----+
2 rows in set (0.00 sec)
```

4. Display first name in upper case and email address in lower case for employees where the first name and email address are same irrespective of the case.

Ans: Select Upper(First_name), Lower(Email) from employees where First_name = email;

```
D4_PratikSatpute_62758>Select Upper(First_name), Lower(Email) from employees where First_name = email;
Empty set (0.00 sec)
```

5. Display first name, salary, and round the salary to thousands.

Ans: select First_name , round(salary,-3) As Salary from employees Limit 20;

```
D4_PratikSatpute_62758>select First_name , round(salary,-3) As Salary from employees Limit 20;
+-----+-----+
| First_name | Salary |
+-----+-----+
| Steven    | 24000  |
| Neena     | 17000  |
| Lex       | 17000  |
| Alexander | 9000   |
| Bruce     | 6000   |
| David     | 5000   |
| Valli     | 5000   |
| Diana     | 4000   |
| Nancy     | 12000  |
| Daniel    | 9000   |
| John      | 8000   |
| Ismael    | 8000   |
| Jose Manuel | 8000   |
| Luis      | 7000   |
| Den       | 11000  |
| Alexander | 3000   |
| Shelli    | 3000   |
| Sigal     | 3000   |
| Guy       | 3000   |
| Karen     | 3000   |
+-----+-----+
20 rows in set (0.00 sec)
```

6. Display employee ID and the date on which he ended his previous job.

Ans:

Select employee_id, End_date as Last_day_of_previous_job from job_history;

```
D4_PratikSatpute_62758>Select employee_id, End_date as Last_day_of_previous_job from job_history;
```

employee_id	Last_day_of_previous_job
102	1998-07-24
101	1993-10-27
101	1997-03-15
201	1999-12-19
114	1999-12-31
122	1999-12-31
200	1993-06-17
176	1998-12-31
176	1999-12-31
200	1998-12-31
0	0000-00-00

11 rows in set (0.00 sec)

7. Display first name and date of first salary of the employees

Ans: select First_name, Date_Add(Hire_date,Interval 1 Month) as Date_of_First_salary from employees;

```
D4_PratikSatpute_62758>select First_name, Date_Add(Hire_date,Interval 1 Month) as Date_of_First_salary from employees;
```

First_name	Date_of_First_salary
Steven	1987-07-17
Neena	1987-07-18
Lex	1987-07-19
Alexander	1987-07-20
Bruce	1987-07-21
David	1987-07-22
Valli	1987-07-23
Diana	1987-07-24
Nancy	1987-07-25
Daniel	1987-07-26
John	1987-07-27
Ismael	1987-07-28
Jose Manuel	1987-07-29
Luis	1987-07-30
Den	1987-08-01
Alexander	1987-08-02
Shelli	1987-08-03
Sigal	1987-08-04
Guy	1987-08-05
Karen	1987-08-06
Matthew	1987-08-07

8. Display first name and experience of the employees.

Ans: Select First_name, concat (timestampdiff(year,hire_date,now()),' years ', timestampdiff(Month, Hire_date, Now())%12,' months') as Experience_in_current_compony from employees LIMIT 10;

```
D4_PratikSatpute_62758>Select First_name, concat (timestampdiff(year,hire_date,now()),' years ',
timestampdiff(Month, Hire_date, Now())%12,' months') as Experience_in_current_compony from em
ployees LIMIT 10;
```

First_name	Experience_in_current_compony
Steven	34 years 9 months
Neena	34 years 9 months
Lex	34 years 9 months
Alexander	34 years 9 months
Bruce	34 years 9 months
David	34 years 9 months
Valli	34 years 9 months
Diana	34 years 9 months
Nancy	34 years 9 months
Daniel	34 years 9 months

10 rows in set (0.00 sec)

9. Display first name of employees who joined in 2001.

Ans: select First_name from employees where year(hire_date)=2001;

```
D4_PratikSatpute_62758>select First_name from employees where year(hire_date)=2001;
Empty set (0.00 sec)
```

10.Display employees who joined in the current year.

Ans: select * from employees where hire_date = year(now());

```
D4_PratikSatpute_62758>select * from employees where hire_date = year(now());
Empty set (0.00 sec)
```

11. Display the number of days between system date and 1st January 2011

Ans: select datediff(Now(), '2011-01-01');

```
D4_PratikSatpute_62758>select datediff(Now(), '2011-01-01' );
+-----+
| datediff(Now(), '2011-01-01' ) |
+-----+
|                                4122 |
+-----+
1 row in set (0.00 sec)
```

12. Display number of employees joined after 15th of the month.

Ans: select * from employees where day(hire_date)>15;

```
D4_PratikSatpute_62758>select * from employees where day(hire_date)>15;
```

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
100	Steven	King	SKING	515.123.4567	1987-06-17	AD_PRES	24000.00	0.00	0	90
101	Neena	Kochhar	NKOCHHAR	515.123.4568	1987-06-18	AD_VP	17000.00	0.00	100	90
102	Lex	De Haan	LDEHAAN	515.123.4569	1987-06-19	AD_VP	17000.00	0.00	100	90
103	Alexander	Hunold	AHUNOLD	590.423.4567	1987-06-20	IT_PROG	9000.00	0.00	102	60
104	Bruce	Ernst	BERNST	590.423.4568	1987-06-21	IT_PROG	6000.00	0.00	103	60
105	David	Austin	DAUSTIN	590.423.4569	1987-06-22	IT_PROG	4800.00	0.00	103	60
106	Valli	Pataballa	VPATABAL	590.423.4560	1987-06-23	IT_PROG	4800.00	0.00	103	60
107	Diana	Lorentz	DLORENTZ	590.423.5567	1987-06-24	IT_PROG	4200.00	0.00	103	60
108	Nancy	Greenberg	NGREENBE	515.124.4569	1987-06-25	FI_MGR	12000.00	0.00	101	100
109	Daniel	Faviet	DFAVIET	515.124.4169	1987-06-26	FI_ACCOUNT	9000.00	0.00	108	100
110	John	Chen	JCHEN	515.124.4269	1987-06-27	FI_ACCOUNT	8200.00	0.00	108	100
111	Ismail	Sciarra	ISCIARRA	515.124.4369	1987-06-28	FI_ACCOUNT	7700.00	0.00	108	100
112	Jose Manuel	Urman	JMURMAN	515.124.4469	1987-06-29	FI_ACCOUNT	7800.00	0.00	108	100
113	Luís	Popp	LPOPP	515.124.4567	1987-06-30	FI_ACCOUNT	6900.00	0.00	108	100
129	Laura	Bissot	LBISSOT	650.124.5234	1987-07-16	ST_CLERK	3300.00	0.00	121	50
130	Mozhe	Atkinson	MATKINSO	650.124.6234	1987-07-17	ST_CLERK	2800.00	0.00	121	50
131	James	Marlow	JAMLOW	650.124.7234	1987-07-18	ST_CLERK	2500.00	0.00	121	50
132	TJ	Olson	TJOLSON	650.124.8234	1987-07-19	ST_CLERK	2100.00	0.00	121	50
133	Jason	Mallin	JMALLIN	650.127.1934	1987-07-20	ST_CLERK	3300.00	0.00	122	50
134	Michael	Rogers	MROGERS	650.127.1834	1987-07-21	ST_CLERK	2900.00	0.00	122	50
135	Ki	Gee	KGEE	650.127.1734	1987-07-22	ST_CLERK	2400.00	0.00	122	50
136	Hazel	Philtanker	HPHILTAN	650.127.1634	1987-07-23	ST_CLERK	2200.00	0.00	122	50
137	Renske	Ladwig	RLADWIG	650.121.1234	1987-07-24	ST_CLERK	3600.00	0.00	123	50
138	Stephen	Stiles	SSTILES	650.121.2034	1987-07-25	ST_CLERK	3200.00	0.00	123	50
139	John	Seo	JSEO	650.121.2019	1987-07-26	ST_CLERK	2700.00	0.00	123	50
140	Joshua	Patel	JPADEL	650.121.1834	1987-07-27	ST_CLERK	2500.00	0.00	123	50
141	Trenna	Rajs	TRAJS	650.121.8009	1987-07-28	ST_CLERK	3500.00	0.00	124	50
142	Curtis	Davies	CDAVIES	650.121.2994	1987-07-29	ST_CLERK	3100.00	0.00	124	50
143	Randall	Matos	RMATOS	650.121.2874	1987-07-30	ST_CLERK	2600.00	0.00	124	50
144	Peter	Vargas	PVARGAS	650.121.2004	1987-07-31	ST_CLERK	2500.00	0.00	124	50
160	Louise	Doran	LDORAN	011.44.1345.629268	1987-08-16	SA_REP	7500.00	0.30	146	80
161	Sarath	Sewall	SSEWALL	011.44.1345.529268	1987-08-17	SA_REP	7000.00	0.25	146	80
162	Clara	Vishney	CVISHNEY	011.44.1346.129268	1987-08-18	SA_REP	10500.00	0.25	147	80
163	Danielle	Greene	DGREENE	011.44.1346.229268	1987-08-19	SA_REP	9500.00	0.15	147	80
164	Mattea	Marvins	MMARVINS	011.44.1346.329268	1987-08-20	SA_REP	7200.00	0.10	147	80

13. Display third highest salary of employees

Ans: select * from employees order by salary desc limit 2,1;

```
D4_PratikSatpute_62758>select * from employees order by salary desc limit 2,1;
```

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
102	Lex	De Haan	LDEHAAN	515.123.4569	1987-06-19	AD_VP	17000.00	0.00	100	90

1 row in set (0.00 sec)