1)

```
+--------------------------+--------------------------+
| UPPER('hello world!')    | LOWER('HELLO WORLD!')    |
+--------------------------+--------------------------+
| HELLO WORLD!             | hello world!             |
+--------------------------+--------------------------+
1 row in set (0.00 sec)
```

2)

```
+---------------------------+
| CONCAT('Hello' , 'world') |
+---------------------------+
| Helloworld                |
+---------------------------+
1 row in set (0.00 sec)
```

```
+--------------------------+
| INSTR('Hello World', 'r') |
+--------------------------+
|                        9 |
+--------------------------+
1 row in set (0.00 sec)
```

```
+------------------------+
| LENGTH('Hello world!') |
+------------------------+
|                     12 |
+------------------------+
1 row in set (0.00 sec)
```

3)

a)

```
+----------+
| sqrt(25) |
+----------+
|        5 |
+----------+
1 row in set (0.00 sec)
```

b)

```
+------------+
| POWER(5,2) |
+------------+
|         25 |
+------------+
1 row in set (0.00 sec)
```

c)

```
+--------------+
| CEIL(12.534) |
+--------------+
|           13 |
+--------------+
1 row in set (0.00 sec)
```

d)

```
+-------------------------------+
| SUBSTR('Hellow World', 3, 3)  |
+-------------------------------+
| llo                           |
+-------------------------------+
1 row in set (0.00 sec)
```

e)

```
+-------------+
| MAX(salary) |
+-------------+
|       90000 |
+-------------+
1 row in set (0.00 sec)
```

f)

```
+-------------+
| MIN(salary) |
+-------------+
|       15000 |
+-------------+
1 row in set (0.00 sec)
```

g)

```
+---------------+
| ROUND(24.674) |
+---------------+
|            25 |
+---------------+
1 row in set (0.00 sec)
```

h)

```
+-------------+
| AVG(salary) |
+-------------+
|  52500.0000 |
+-------------+
1 row in set (0.00 sec)
```

i)

```
+--------------+
| COUNT(dept)  |
+--------------+
|           12 |
+--------------+
1 row in set (0.00 sec)
```

j)

```
+---------------------+
| EXP(5)              |
+---------------------+
| 148.4131591025766   |
+---------------------+
1 row in set (0.00 sec)
```

k)

```
+-----------+
| MOD(8, 4) |
+-----------+
|         0 |
+-----------+
1 row in set (0.00 sec)
```

4)

a)

```
+----------------+-----------------+
| CEIL(14.887)   | FLOOR(14.887)   |
+----------------+-----------------+
|             15 |              14 |
+----------------+-----------------+
1 row in set (0.00 sec)
```

b)

```
+------------------+
| ROUND(17.49989)  |
+------------------+
|               17 |
+------------------+
1 row in set (0.00 sec)
```

c)

```
+--------------+
| POWER(8, 7)  |
+--------------+
|      2097152 |
+--------------+
1 row in set (0.00 sec)
```