**Single Row Functions**

**M ASWIN KISHORE, S5 CS2 41**

Create a table employee with fields empno,firstname lastname,hiredate and salary.

CREATE TABLE `mak\_single\_row`.`employee` (

`emp\_no` INT NOT NULL AUTO\_INCREMENT,

`first\_name` VARCHAR(45) NULL,

`last\_name` VARCHAR(45) NULL,

`hire\_date` DATE NULL,

`salary` FLOAT NULL,

PRIMARY KEY (`emp\_no`));

**Questions**

1. Display empno and first name in lowercase from table employee

SELECT emp\_no, lower(first\_name) as first\_name FROM employee;

# emp\_no, first\_name

1, aswin

2, victor

3, hendry

1. Display first name with its first letter in capital letter.

SELECT concat(upper(left(first\_name,1)), substring(first\_name,2)) as first\_name FROM employee;

# first\_name

Aswin

Victor

Hendry

1. Display first name and length of first name from employee table

SELECT first\_name, length(first\_name) from employee;

# first\_name, length(first\_name)

Aswin, 5

Victor, 6

Hendry, 6

1. Concatinate first name and last name from employee table

SELECT concat(first\_name,last\_name) as Name FROM employee;

# Name

AswinKishore

VictorHellsing

HendryJames

1. Format salary of emp table to 15 char long left padded with $.Label column as new salary

SELECT lpad(salary,15,'$') AS "New Salary" FROM employee;

# New Salary

$$$$$$$$$$30000

$$$$$$$$$$40000

$$$$$$$$$400000

1. Format salary of employee table to 15 char long right padded with \*.Label the column as new salary

SELECT rpad(salary,15,'\*') as "New Salary" from employee;

# New Salary

30000\*\*\*\*\*\*\*\*\*\*

40000\*\*\*\*\*\*\*\*\*\*

400000\*\*\*\*\*\*\*\*\*

1. Select employees first name and numeric position of first name in character a of first name of employee table.

SELECT first\_name,instr(first\_name,'a') AS "Numeric Position" from employee;

# first\_name, Numeric Position

Aswin, 1

Victor, 0

Hendry, 0

1. Display first name and first three characters of emp from employee table

SELECT first\_name, substring(first\_name,1,3) AS "First 3 Chars" from employee;

# first\_name, First 3 Chars

Aswin, Asw

Victor, Vic

Hendry, Hen

1. Perform different number operations from dual

SELECT MOD(10,3) FROM DUAL;

# MOD(10,3)

1

SELECT ROUND(203.347,2) FROM DUAL;

# ROUND(203.347,2)

203.35

SELECT truncate(203.347,1) FROM DUAL;

# truncate(203.347,1)

203.3

SELECT POWER(5,2) FROM DUAL;

#POWER(5,2)

25

SELECT SQRT(25) FROM DUAL;

#SQRT(25)

5