

INDIAN SCHOOL AL WADI AL KABIR

Worksheet, 2021-22

Class: XII	SUB: INFORMATICS PRACTICES	Date of Completion:
Worksheet No:11	TOPIC : MYSQL – Single Row Functions	

1. Write the output of the following SQL queries :

- (i) `SELECT RIGHT('software', 2);`
- (ii) `SELECT LEFT('twelve', 3);`
- (iii) `SELECT DAYOFMONTH('2014-03-01');`
- (iv) `SELECT ROUND(76.987, 2);`
- (v) `SELECT MID("LearningIsFun", 2, 4);`
- (vi) `SELECT ROUND(276.384, -2);`
- (vii) `SELECT INSTR("INFORMATION FORM", "RM");`
- (viii) `SELECT DAYOFYEAR("2020-02-15");`
- (ix) `SELECT TRUNCATE(67.987, 1);`
- (x) `SELECT POW(3, 2), SQRT(36);`
- (xi) `SELECT SUBSTR("GLOBALIZATION", 4, 5);`
- (xii) `SELECT LENGTH(CONCAT("NORMAL", "WATER"));`

2. Name SQL Single Row functions (for each of the following) that

- (i) returns a number.
- (ii) returns lowercase letters.
- (iii) returns names of days. For example : "Monday", "Tuesday".
- (iv) returns weekday number. For example : 1 for Sunday, 2 for Monday, 3 for Tuesday.

3. Akash, who is an Indian, created a table named "**Friends**" to store his friend's detail. Table "Friends" is shown below. Write output for (i) to (x).

SNo	Name	Age	City	Country	Email
1	Alice	34	Washington	USA	Alice_SK@gmail.com
2	Chales	32	Copenhagen	Denmark	Charles45@yahoo.com
3	Angel	24	Chicago	USA	Null
4	Jasmine	45	Sydney	Australia	Jasmine12@yahoo.com
5	Raj	25	New Delhi	India	Raj_mia@gmail.com
6	Jette	31	Frederiksberg	Denmark	Jette_Fberg362@gmail.com
7	Alexender	27	Melbourne	Australia	Alex_Paul213@hotmail.com
8	Shashank	36	Bengaluru	India	Null
9	Kotomi	28	Tokyo	Japan	Kotomi90@hotmail.com
10	Albin	33	Stockholm	Sweden	AblinSholm@gmail.com

- i. SELECT NAME, CITY FROM FRIENDS WHERE COUNTRY = "AUSTRALIA";
- ii. SELECT CONCAT(LEFT(NAME,3), COUNTRY) FROM FRIENDS WHERE AGE<30;
- iii. SELECT CONCAT(RIGHT(NAME,3), AGE, RIGHT(CITY,3)) FROM FRIENDS WHERE EMAIL IS NULL;
- iv. SELECT UPPER(NAME), LOWER(COUNTRY) FROM FRIENDS WHERE SNO>5;
- v. SELECT SUBSTR(3,5) FROM FRIENDS WHERE COUNTRY NOT IN ("USA", "INDIA");
- vi. SELECT INSTR(COUNTRY, "US") FROM FRIENDS WHERE AGE BETWEEN 25 AND 35;
- vii. SELECT LENGTH(CITY) FROM FRIENDS WHERE EMAIL LIKE "%gmail%";
- viii. SELECT SUM(AGE), AVG(AGE) FROM FRIENDS WHERE COUNTRY = "DENMARK";
- ix. SELECT COUNTRY, MAX(AGE) FROM FRIENDS GROUP BY COUNTRY;
- x. SELECT COUNTRY FROM FRIENDS GROUP BY COUNTRY HAVING COUNT(*)<1;