LAB ASSIGNMENT 3

QUES1: Use the following functions

1). chr (n):

     select chr(65) from dual;

2). cancat(char1,char2):

     select concat('helloo','world') from dual;

3). instr(string,char):

     select instr('helloo','o') from dual;

4). length(n):

     select length('helloo') from dual;

5). lpad(char1 ,n [,char2]):

     select lpad('helloo',18,'@') from dual;

6). ltrim(string [,char(s)]):

     select ltrim('helloo','h') from dual;

7). rpad(char1 ,n [,char2]):

     select rpad('helloo',18,'@') from dual;

8). rtrim(string [,char(s)]):

     select rtrim('helloo','o') from dual;

9). Replace (char, search_string, replacement_string):

     select replace('helloo','llo','wao') from dual;

10). substr(string ,position ,substring length):

     select substr('helloo',3,2) from dual;

11). initcap(char):

     select initcap('helloo') from dual;

12). lower(string):

     select lower('helloo') from dual;

13). upper(string):

     select upper('helloo') from dual;

14). Translate (char, from string, to string):

     select translate('helloo','h','y') from dual;

15). abs(n):

      select abs(-4) from dual;

16). ceil(n):

      select ceil(4.88) from dual;

17). cos(n):

      select cos(4.88) from dual;

18). exp(n):

      select exp(4) from dual;

19). floor(n):

      select floor(4.9) from dual;

20). mod(m ,n):

      select mod(5,2) from dual;

21). power(x ,y):

      select power(5,2) from dual;

22). round(x [,y]):

      select round(5.7879,2) from dual;

23). sign(n):

      select sign(23) from dual;

24). sqrt(n);

      select sqrt(25) from dual;

25). trunc(x ,n):

      select trunc(25.6438465,2) from dual;

26). sysdate:

      select sysdate from dual;

27). add_months(d ,n):

      select add_months('2-JAN-2024',6) from dual;

28). last_day():

      select last_day('2-JAN-2024') from dual;

29). months_between(date1 ,date2):

      select months_between('2-JAN-2024','23-MAR-2024') from dual;

30). next_day(date ,char):

      select next_day('2-JAN-2024',1) from dual;

31). greatest(expr):

      select greatest(21,56,90,65,3) from dual;

32). least(expr):

      select least(21,56,90,65,3) from dual**;**

QUES2: Display current time in hour : min : sec format?

ANS: SELECT TO_CHAR(SYSDATE, 'HHMMSS') FROM DUAL

CREATE TABLE Emp(EmpNO Number(20), EName VARCHAR2(20), Salary Number(10), Commission Number(20));

INSERT INTO Emp VALUES(1, 'Rahul', 6000, 1500);

INSERT INTO Emp VALUES(2, 'Kanika', 2000, 2500);

INSERT INTO Emp VALUES(3, 'Raj', 8000, 2000);

INSERT INTO Emp VALUES(4, 'Rohan', 4000, 1000);

INSERT INTO Emp VALUES(5, 'Vanshika', 5000, 500);

SELECT * FROM Emp;

QUES3: Display salary + commission of emp table?

ANS: SELECT EName, Salary, Commission, (Salary + Commission) AS "Total Salary" FROM Emp;

QUES4: Store any date value in hiredate column of table?

ANS: ALTER TABLE Emp ADD HireDate NUMBER (4);

ALTER TABLE Emp MODIFY HireDate DATE;

UPDATE Emp SET HireDate = NULL;

UPDATE Emp SET HireDate = '2-MAY-2001' WHERE EName = 'Rahul';

UPDATE Emp SET HireDate = '3-FEB-1985' WHERE EName = 'Kanika';

UPDATE Emp SET HireDate = '6-JUNE-1985' WHERE EName = 'Raj';

UPDATE Emp SET HireDate = '25-JAN-2024' WHERE EName = 'Rohan';

UPDATE Emp SET HireDate = '20-JAN-2024' WHERE EName = 'Vanshika';

QUES5: Display name of employee(s) who join the company in 1985?

ANS: SELECT EName FROM Emp WHERE TO_CHAR (HireDate,'YYYY') = 1985;

QUES6: Display name of the employee(s) who join the company this year

ANS: SELECT EName FROM Emp WHERE TO_CHAR (HireDate,'YYYY') = 2024;