ATMIYA University
Faculty of Science
Department of Computer Application
Master of Computer Application
Code :- 20MCACC107 | **Subject-Name:- Databases Enterprise Applications**
Name:- Jainish Barbhaya

```
1.)select sysdate,CURRENT_DATE,CURRENT_TIMESTAMP from dual;
OUTPUT:-
SYSDATE CURRENT_DATE CURRENT_TIMESTAMP


_____ _____

_____

18-08-23 18-08-23 18-08-23 10:48:29.520000000 AM ASIA/CALCUTTA

2.)SELECT 15*3 FROM DUAL;
OUTPUT:-
15*3


_____

45

3.)SELECT 'Jainish' || ' ' || 'Barbhaya' FULL_NAME FROM DUAL;
OUTPUT:-
FULL_NAME


_____

JAINISH BARBHAYA

4.)SELECT TO_NUMBER('123') FROM dual;
OUTPUT:-
TO_NUMBER('123')


_____

123

5.)SELECT CURRENT_DATE + 7 FROM DUAL;
OUTPUT:-
CURRENT_DATE+7


_____

25-08-23
```

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```
6.)SELECT SQRT(144) FROM DUAL;
OUTPUT:-
SQRT(144)


_____

12

7.)SELECT UPPER('BARBHAYA') AS jainish FROM DUAL;
OUTPUT:-
SELECT UPPER('BARBHAYA') AS jainish FROM DUAL;

    JAINISH
_____

BARBHAYA

8.)SELECT CASE WHEN 20>10 THEN 'GREARER THEN' ELSE 'LESS THEN'END AS FROM
DUAL;
OUTPUT:-
CASEWHEN20>10THEN'GREARERTHEN'ELSE'LESSTHEN'ENDAS

_____

20 Is GREARER THEN 10
```

Case Statement Retrieve "Even" if a given number is even, and "Odd" if
it's odd.

```
9.) CREATE TABLE emp(emp_num integer PRIMARY KEY,
               first_name varchar2(30) not null,
               serial_num number(2) not null);

        INSERT INTO emp VALUES(101,'jainish',1);
        INSERT INTO emp VALUES(102,'dev',2);
        INSERT INTO emp VALUES(103,'harsh',3);
        INSERT INTO emp VALUES(104,'jay',4);
        select * from emp;
        EMP_NUM FIRST_NAME SERIAL_NUM
        ------------------------------
        101      jainish       1
        102      dev           2
```

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```
                103        harsh       3
                104        jay         4

                query : SELECT emp_num CASE WHEN MOD(emp_num, 2) = 0 THEN
                'Even' ELSE 'Odd' END AS result FROM emp;
                output : EMP_NUM Even-Odd
                        ---------------------
                        101       Odd
                        102       Even
                        103       Odd
                        104       Even
```

10.)CREATE TABLE customer(id integer PRIMARY KEY, first_name varchar2(30),
last_name varchar2(30));


```
INSERT INTO customer VALUES(1,'jainish','barbhaya');
INSERT INTO customer VALUES(2,'','jay');
INSERT INTO customer VALUES(3,'pandiya',);
INSERT INTO customer VALUES(4,'abhay','');

select * from customer;
ID FIRST_NAME LAST_NAME
------------------------
1  jainish      barbhaya
2  -            jay
3  pandiya      -
4  abhay        -


query: SELECT CONCAT(first_name,last_name) AS name FROM customer;
output : NAME
         Jainishbarbhaya
         jay
         pandiya
         abhay
query: SELECT NVL(NULL, '') || 'Hello' AS Result FROM dual;
output: Hello

11.) query: SELECT sum(level) AS FROM DUAL CONNECT BY LEVEL <=10;
     output : 55

12.) query : SELECT TO_CHAR(DATE '2023-08-17', 'D') FROM DUAL;
```

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```
output : 5
```

13.) query: SELECT ROUND(6.78) rounded_value FROM dual;
```
output : 7
```

14.) CREATE TABLE employees(emp_num integer PRIMARY KEY,
                          first_name varchar2(30) not null);

```
INSERT INTO employees VALUES(1,'jainish');
INSERT INTO employees VALUES(2,'jay');
INSERT INTO employees VALUES(3,'keyur');
INSERT INTO employees VALUES(4,'abhi');
```

```
EMP_NUM FIRST_NAME
------------------
    1       jainish
    2       jay
    3       keyur
    4       abhi
```

query : SELECT emp_num, first_name, LENGTH(first_name) as length
FROM employees;

```
output :

EMP_NUM  FIRST_NAME   LENGTH
---------------------------
    1       jainish    7
    2       jay        3
    3       keyur      5
    4       abhi       4
```

15.) query : SELECT SUBSTRING('jainish barbhaya', 1, 3) AS ExtractString;
output : jai