

| Program No: | 3 | AS SHARP AS YOU CAN GET Bhujbal Knowledge City |
|-------------------|-----------------------------------------------------------|-------------------------------------------------|
| Roll No: | 1525 | Bhajour Knowledge City |
| Title of Program: | Implement of Analytical queries | |
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| | | |
| Objective: | - rollup, cube, rank, dense, rank, lead, lag, first, last | |
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THE MET LEAGUE OF COLLEGES

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SOURCE CODE:
CREATE TABLE employee (
emp_no NUMBER(10),
dep_no NUMBER(10),
emp_name VARCHAR(25),
salary NUMBER(10),
comm NUMBER(10),
job VARCHAR(25),
bdate DATE
);
```

INSERT INTO employee VALUES (101, 10, 'sanket', 22000, 10000, 'assistent', TO_DATE('1990-01-15', 'YYYY-MM-DD'));

INSERT INTO employee VALUES (102, 10, 'josh', 22000, 2000, 'assistent', TO_DATE('1991-02-20', 'YYYY-MM-DD'));

INSERT INTO employee VALUES (103, 20, 'hendry', 22000, 1000, 'CLERK', TO_DATE('1992-03-25', 'YYYY-MM-DD'));

INSERT INTO employee VALUES (104, 70, 'sanket cha papa', 22000, 1000, 'manager', TO_DATE('1989-04-30', 'YYYY-MM-DD'));

INSERT INTO employee VALUES (105, 10, 'abhay', 22000, 1000, 'assistent', TO_DATE('1993-05-05', 'YYYY-MM-DD'));

INSERT INTO employee VALUES (106, 50, 'james', 22000, 5000, 'CLERK', TO_DATE('1988-06-10', 'YYYY-MM-DD'));

INSERT INTO employee VALUES (107, 10, 'bond', 22000, 1000, 'CLERK', TO_DATE('1990-07-15', 'YYYY-MM-DD'));

INSERT INTO employee VALUES (108, 10, 'hardik', 22000, 3000, 'assistent', TO_DATE('1994-08-20', 'YYYY-MM-DD'));

INSERT INTO employee VALUES (109, 70, 'rohit', 22000, 1000, 'manager', TO_DATE('1987-09-25', 'YYYY-MM-DD'));

INSERT INTO employee VALUES (110, 90, 'rishab', 22000, 7000, 'CLERK', TO_DATE('1995-10-30', 'YYYY-MM-DD'));

```
SQL> INSERT INTO employee VALUES (107, 10, 'bond', 22000, 1000, 'CLERK', TO_DATE('1990-07-15', 'YYYY-MM-DD'));

1 row created.

SQL> INSERT INTO employee VALUES (108, 10, 'hardik', 22000, 3000, 'assistent', TO_DATE('1994-08-20', 'YYYY-MM-DD'));

1 row created.

SQL> INSERT INTO employee VALUES (109, 70, 'rohit', 22000, 1000, 'manager', TO_DATE('1987-09-25', 'YYYY-MM-DD'));

1 row created.

SQL> INSERT INTO employee VALUES (110, 90, 'rishab', 22000, 7000, 'CLERK', TO_DATE('1995-10-30', 'YYYY-MM-DD'));

1 row created.

SQL> |

9 );

Table created.
```

LEAD:

SOURCE CODE:

SELECT emp no, bdate, LEAD(bdate, 1) OVER (ORDER BY bdate) AS "next"FROM employee;

SOURCE CODE: SELECT emp_no,bdate, LAG(bdate,1) OVER (order by bdate) as "Previous" FROM Employee ;



OUTPUT:

FIRST

SOURCE CODE:

SELECT dep_no, salary, MAX(salary) KEEP (DENSE_RANK FIRST ORDER BY salary DESC) OVER (PARTITION BY dep_no) AS "max" FROM employee;

LAST:

SOURCE CODE: SELECT dep_no, salary, MIN(salary) KEEP (DENSE_RANK LAST ORDER BY salary DESC) OVER (PARTITION BY dep_no) AS "last" FROM employee;