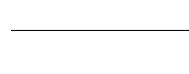
Kaustubh Wade (160410116050)

PRACTICAL 6

**To apply the concept of Aggregating Data using Group functions.**

**QUERY 1 LIST TOTAL DEPOSIT OF CUSTOMER HAVING ACCOUNT DATE AFTER 1-JAN-96.**

SQL> SELECT SUM(AMOUNT) FROM DEPOSIT WHERE ADATE>'01-JAN-1996';

SUM(AMOUNT)

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10000

**QUERY 2 LIST TOTAL DEPOSIT OF CUSTOMERS LIVING IN CITY NAGPUR.**

SQL> SELECT SUM(AMOUNT) FROM DEPOSIT D, BRANCH B

2 WHERE (D.BNAME=B.BNAME) AND B.CITY='NAGPUR';

SUM(AMOUNT)

-----------

6000

**QUERY 3 LIST MAXIMUM DEPOSIT OF CUSTOMERS LIVING IN BOMBAY.**

SQL> SELECT MAX(AMOUNT) FROM DEPOSIT D, BRANCH B

2 WHERE(D.BNAME=B.BNAME) AND B.CITY='BOMBAY'

MAX(AMOUNT)

-----------

7000

**QUERY 4 DISPLAY THE HIGHEST, LOWEST, SUM, AND AVERAGE SALARY OF ALL EMPLOYEES. LABEL THE COLUMNS MAXIMUM, MINIMUM, SUM, AND AVERAGE, RESPECTIVELY. ROUND YOUR RESULTS TO THE NEAREST WHOLE NUMBER.**

SQL> SELECT MAX(EMPSAL) AS "MAXIMUM", MIN(EMPSAL) AS "MINIMUM", SUM(EMPSAL) AS "SUM", ROUND(AVG(EMPSAL)) AS "AVERAGE" FROM EMPLOYEE;

MAXIMUM MINIMUM SUM AVERAGE

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5000 800 16925 2418

**QUERY 5 WRITE A QUERY THAT DISPLAYS THE DIFFERENCE BETWEEN THE HIGHEST AND LOWEST SALARIES. LABEL THE COLUMN DIFFERENCE.**

SQL> SELECT MAXSAL-MINSAL AS "DIFFERENCE" FROM JOB;

DIFFERENCE

----------

6000

6000

3800

4800

11000

**QUERY 6 CREATE A QUERY THAT WILL DISPLAY THE TOTAL NUMBER OF EMPLOYEES AND, OF THAT TOTAL, THE NUMBER OF EMPLOYEES HIRED IN 1995, 1996, 1997, AND 1998**

SQL> SELECT COUNT(EMPNAME) FROM EMPLOYEE;

COUNT(EMPNAME)

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7

**QUERY 7 FIND THE AVERAGE SALARIES FOR EACH DEPARTMENT WITHOUT DISPLAYING THE RESPECTIVE DEPARTMENT NUMBERS.**

SQL> SELECT AVG(EMPSAL) FROM EMPLOYEE GROUP BY DEPTNO;

AVG(EMPSAL)

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2812.5

1100

1600

2975

**QUERY 8 WRITE A QUERY TO DISPLAY THE TOTAL SALARY BEING PAID TO EACH JOB TITLE, WITHIN EACH DEPARTMENT.**

SQL> SELECT SUM(EMPSAL), DEPTNO FROM EMPLOYEE GROUP BY DEPTNO;

SUM(EMPSAL) DEPTNO

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11250 10

1100 20

1600 25

2975 30