Kaustubh Wade(160410116050)

PRACTICAL 4

QUERY 1 Write a query to display the current date. Label the column Date.

SQL> select sysdate from dual;

SYSDATE

01-JAN-04

SQL>select sysdate as “date” from dual;

Date

01-JAN-04

QUERY 2 For each employee, display the employee number, job, salary, and salary increased by 15% and expressed as a whole number. Label the column New Salary.

SQL> select empname,empsal,round(empsal*1.15) as "New Salary" from employee;

EMPNAME	EMPSAL	New Salary
smith	800	920
snehal	1600	1840
jeet	1100	1265
aman	3000	3450
anita	5000	5750
sneha	2450	2818

anamika 2975 3421

7 rows selected.

QUERY 3 Modify your query no 4.(2) to add a column that subtracts the old salary from the new salary. Label the column Increase.

SQL> select empname,empsal,round(empsal*1.15) as "new sal",round(empsal*1.15)-empsal as "increase"from employee;

EMPNAME EMPSAL new sal increase

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smith 800 920 120

snehal 1600 1840 240

jeet 1100 1265 165

aman 3000 3450 450

anita 5000 5750 750

sneha 2450 2818 368

anamika 2975 3421 446

7 rows selected.

QUERY 4 Write a query that displays the employee's names with the first letter capitalized and all other letters lowercase, and the length of the names, for all employees whose name starts with J, A, or M. Give each column an appropriate label. Sort the results by the employees' last names.

SQL> select initcap(empname) from employee

where empname like 'j%' or empname like 'a%' or empname like 'm%'

order by empname;

INITCAP(EMPNAME)

Aman

Anamika

Anita

Jeet

QUERY 5 Write a query that produces the following for each employee: <employee last name> earns <salary> monthly .

SQL> select empname || 'earns' || empsal from employee;

EMPNAME || 'EARNS' || EMPSAL

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smith earns 800

snehal earns 1600

jeetearns1100

amanearns3000

anitaearns5000

snehaearns2450

anamikaearns2975

7 rows selected.

QUERY 7 Display the hiredate of emp in a format that appears as Seventh of June 1994 12:00:00 AM.

SQL>select to_char (adate,'dd') || ' of ' || to_char(adate,'mon yyyy hh:mi:ss a.m.') from deposit;

TO_CHAR(ADATE,'DD')||'OF'||T

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01 of mar 1995 12:00:00 a.m.

04 of jan 1996 12:00:00 a.m.

17 of nov 1995 12:00:00 a.m.

17 of dec 1995 12:00:00 a.m.

27 of mar 1996 12:00:00 a.m.

31 of mar 1996 12:00:00 a.m.

05 of sep 1995 12:00:00 a.m.

02 of jul 1995 12:00:00 a.m.

10 of aug 1995 12:00:00 a.m.

9 rows selected.

QUERY 8 Write a query to calculate the annual compensation of all employees (sal+comm.).

SQL> select empsal+empcomm from employee;

EMPSAL+EMPCOMM

1900

1100

55000

26950

7 rows selected.