

NAME:- SHUBHAM SAXENA

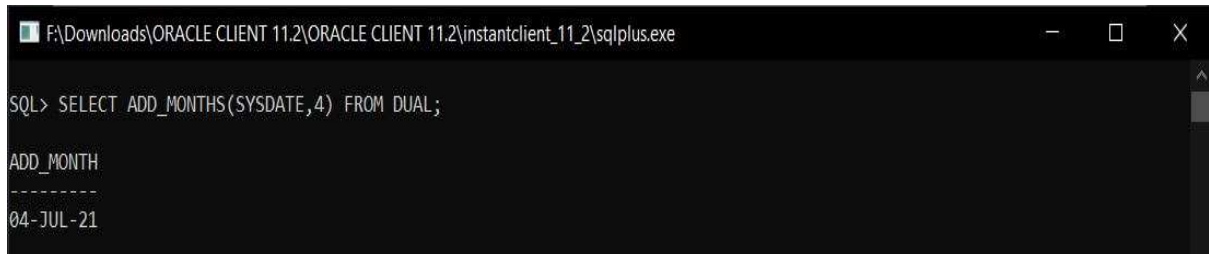
REG No:- RA1811003010691

SEC:- D2

DATE:- 28/2/2021

DDL WORKSHEET-VI

I. Add 4 months to the System date.

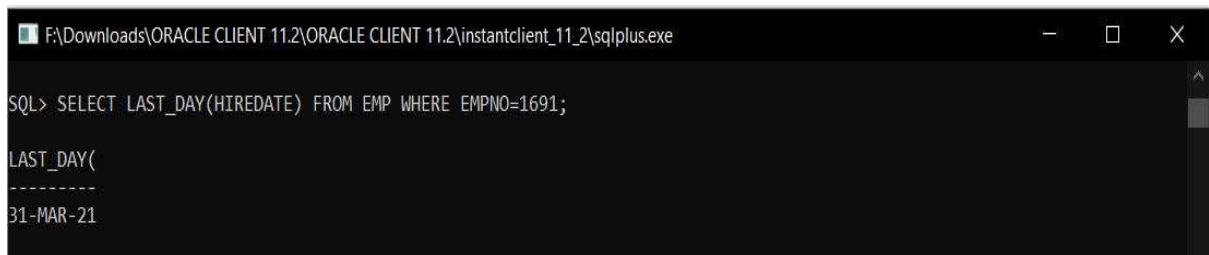


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F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe

SQL> SELECT ADD_MONTHS(SYSDATE,4) FROM DUAL;

ADD_MONTH
-----
04-JUL-21
```

II. Find the last day of the HIREDATE for the employee number 1691.

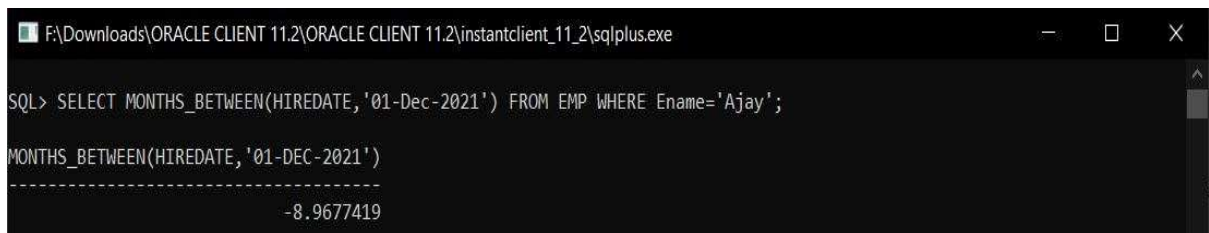


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F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe

SQL> SELECT LAST_DAY(HIREDATE) FROM EMP WHERE EMPNO=1691;

LAST_DAY(
-----
31-MAR-21
```

III. Find the number of months the Employee 'AJAY' has worked in the department till 01-Dec-2021.

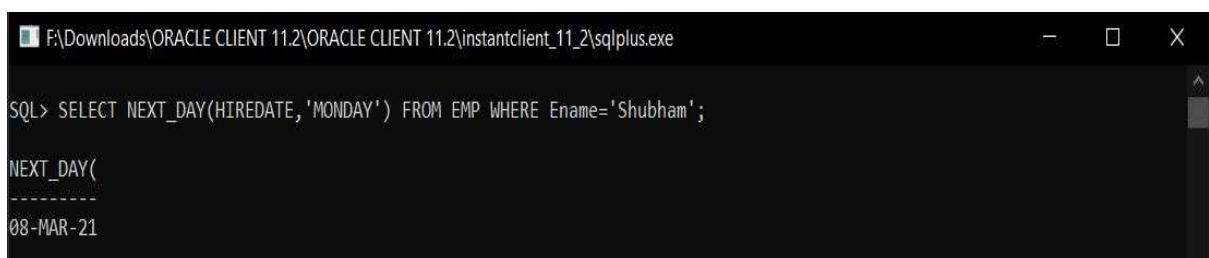


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F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe

SQL> SELECT MONTHS_BETWEEN(HIREDATE, '01-Dec-2021') FROM EMP WHERE Ename='Ajay';

MONTHS_BETWEEN(HIREDATE, '01-DEC-2021')
-----
-8.9677419
```

IV. Find the date of the first Monday after the HIREDATE for the employee name 'Shubham'.



```
F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe

SQL> SELECT NEXT_DAY(HIREDATE, 'MONDAY') FROM EMP WHERE Ename='Shubham';

NEXT_DAY(
-----
08-MAR-21
```

- V. (a) Round the System date to the nearest whole day.
(b) Round the System date to the nearest whole month.
(c) Round the System date to the nearest whole year.
(d) Round the System date without specifying any format.

```
F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe

SQL> SELECT ROUND(SYSDATE, 'DAY') FROM DUAL;

ROUND(SYS
-----
07-MAR-21

SQL> SELECT ROUND(SYSDATE, 'MONTH') FROM DUAL;

ROUND(SYS
-----
01-MAR-21

SQL> SELECT ROUND(SYSDATE, 'YEAR') FROM DUAL;

ROUND(SYS
-----
01-JAN-21

SQL> SELECT ROUND(SYSDATE) FROM DUAL;

ROUND(SYS
-----
04-MAR-21
```

- VI. Find the latest date among the System date, 24-02-21, 12-01-21.

```
F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe

04-MAR-21

SQL> SELECT GREATEST(SYSDATE, TO_DATE('24-02-21', 'DD-MM-YY')) FROM DUAL;

GREATEST(
-----
04-MAR-21

SQL> SELECT GREATEST(SYSDATE, TO_DATE('12-01-21', 'DD-MM-YY')) FROM DUAL;

GREATEST(
-----
04-MAR-21
```

- VII. (a) Truncate the System date to the nearest day.
(b) Truncate the System date to the nearest month.
(c) Truncate the System date to the nearest year.
(d) Truncate the System date without specifying any format.

```
F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe

SQL> SELECT TRUNC(SYSDATE, 'DAY') FROM DUAL;

TRUNC(SYS
-----
28-FEB-21

SQL> SELECT TRUNC(SYSDATE, 'MONTH') FROM DUAL;

TRUNC(SYS
-----
01-MAR-21

SQL> SELECT TRUNC(SYSDATE, 'YEAR') FROM DUAL;

TRUNC(SYS
-----
01-JAN-21

SQL> SELECT TRUNC(SYSDATE) FROM DUAL;

TRUNC(SYS
-----
04-MAR-21
```

VIII. Arithmetic operations on Date

(i) Add 20 days to the sysdate

(ii) Subtract 25 days to the sysdate

(iii) select to_date('18-11-20','dd-mm-yy') - to_date('24-2-21','dd-mm-yy') from dual;

```
F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe

SQL> select sysdate+20 from dual;

SYSDATE+20
-----
24-MAR-21

SQL> select sysdate-25 from dual;

SYSDATE-25
-----
07-FEB-21
```

```
F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe

SQL> select to_date('18-11-20','DD-MM-YY') - to_date('24-02-21','DD-MM-YY') from dual;

TO_DATE('18-11-20','DD-MM-YY')-TO_DATE('24-02-21','DD-MM-YY')
-----
-98
```

IX. (i) An employee receives a salary review on each anniversary of his/her

HIREDATE. Display the employee name, hire date and first salary review date for each employee in department 4.

(ii) Subtract 15 days from System date.

(iii) Subtract 24-02-21 from System date.

```
F:\Downloads\ORACLE CLIENT 11.2\ORACLE CLIENT 11.2\instantclient_11_2\sqlplus.exe

SQL> SELECT ENAME,HIREDATE+365 "REVIEW DATE" FROM EMP WHERE DEPTNO=4;

ENAME          REVIEW DA
-----
Varun          02-MAR-22
Prachi         03-MAR-22

SQL> SELECT SYSDATE-15 FROM DUAL;

SYSDATE-15
-----
17-FEB-21

SQL> SELECT SYSDATE-(TO_DATE('24-02-21','DD-MM-YY')) FROM DUAL;

SYSDATE-(TO_DATE('24-02-21','DD-MM-YY'))
-----
8.27511574
```
