

Lab 4-1: Use Conversion Functions

1. Perform the following select statement and review the results.

```
select to_char(sysdate, 'MM-DD-YYYY HH24:MI:SS') NOW  
from dual;
```

2. What is the result of your statement?

3. Perform the following select statement and review the results.

```
SELECT TO_CHAR(SYSDATE, 'MONTH DDTH')  
FROM DUAL;
```

4. What is the result of your statement?

5. Perform the following select statement and review the results.

```
SELECT TO_CHAR(SYSDATE, 'MONTH DDSP')  
FROM DUAL;
```

6. What is the result of your statement?

7. Perform the following select statement and review the results.

```
SELECT TO_CHAR(SYSDATE, 'MONTH DDSPTH')  
FROM DUAL;
```

8. What is the result of your statement?

9. Perform the following select statement and review the results.

```
SELECT INITCAP(RTRIM(TO_CHAR(SYSDATE, 'MONTH'))) || ' ' ||  
        TO_CHAR(SYSDATE, 'DDTH')  
FROM DUAL;
```

10. What is the result of your statement?

11. Perform the following select statement and review the results.

```
select initcap(  
  rtrim(to_char(sysdate, 'MONTH'))) || ' ' ||  
  initcap(to_char(sysdate, 'DDSPTH'))  
from dual;
```

12. What is the result of your statement?

13. Perform the following select statement and review the results.

```
SELECT INITCAP(RTRIM(TO_CHAR(SYSDATE, 'MONTH'))) ||  
        ' ' ||  
        LOWER(TO_CHAR(SYSDATE, 'DDTH'))  
FROM DUAL;
```

14. What is the result of your statement?

15. In the following select statement, you will be requesting the soldier's name, the state of their residence, and their date of birth. However, the date of birth is in a VARCHAR2 format by default in the database. You will need to convert this to a date format. To make the selection less, we are asking for only those soldier's that have a state residence of Hawaii and only those soldier's that are currently active. Perform the following select statement and review the results.

```

select name_ind, states_us,
to_date(dob, 'YYYYMMDD')
from pers_person_tbl
where states_us = 'HI'
and rec_prec='99999999'
order by dob;

```

16. What format was the data that was returned?

17. In the following select statement, we are again asking for the same information; however, we want the Date of Birth to appear in a different format. Perform the following select statement and review the results.

```

select name_ind, states_us, to_char(to_date(dob,
'YYYYMMDD'),
'MON DD, YYYY') "Date of Birth"
from pers_person_tbl
where states_us = 'HI'
and rec_prec='99999999'
order by dob;

```

18. What format was the data that was returned?

19. Once again, same information, different format. Perform the following select statement and review the results.

```

select substr(name_ind, INSTR(name_ind, ' ', 1) +2, 40)
"First Name", substr(name_ind, 1, INSTR(name_ind, ' ', 1)
-1) "Last Name", states_us, to_char(to_date(dob,
'YYYYMMDD'), 'MON DD, YYYY') "Date of Birth" from
pers_person_tbl
where states_us = 'HI'
and rec_prec='99999999'
order by dob;

```

20. What format was the data that was returned?

21. And reversing the format of the soldier's name, perform the following select statement and review the results.

```
select substr(name_ind, INSTR(name_ind, ' ', 1) +2, 40)
"First Name", substr(name_ind, 1, INSTR(name_ind, ' ', 1)
-1) "Last Name", states_us, to_char(to_date(dob,
'YYYYMMDD'), 'MON DD, YYYY') "Date of Birth"
from pers_person_tbl
where states_us = 'HI'
and rec_prec='99999999'
order by dob;
```

22. What format was the data that was returned?