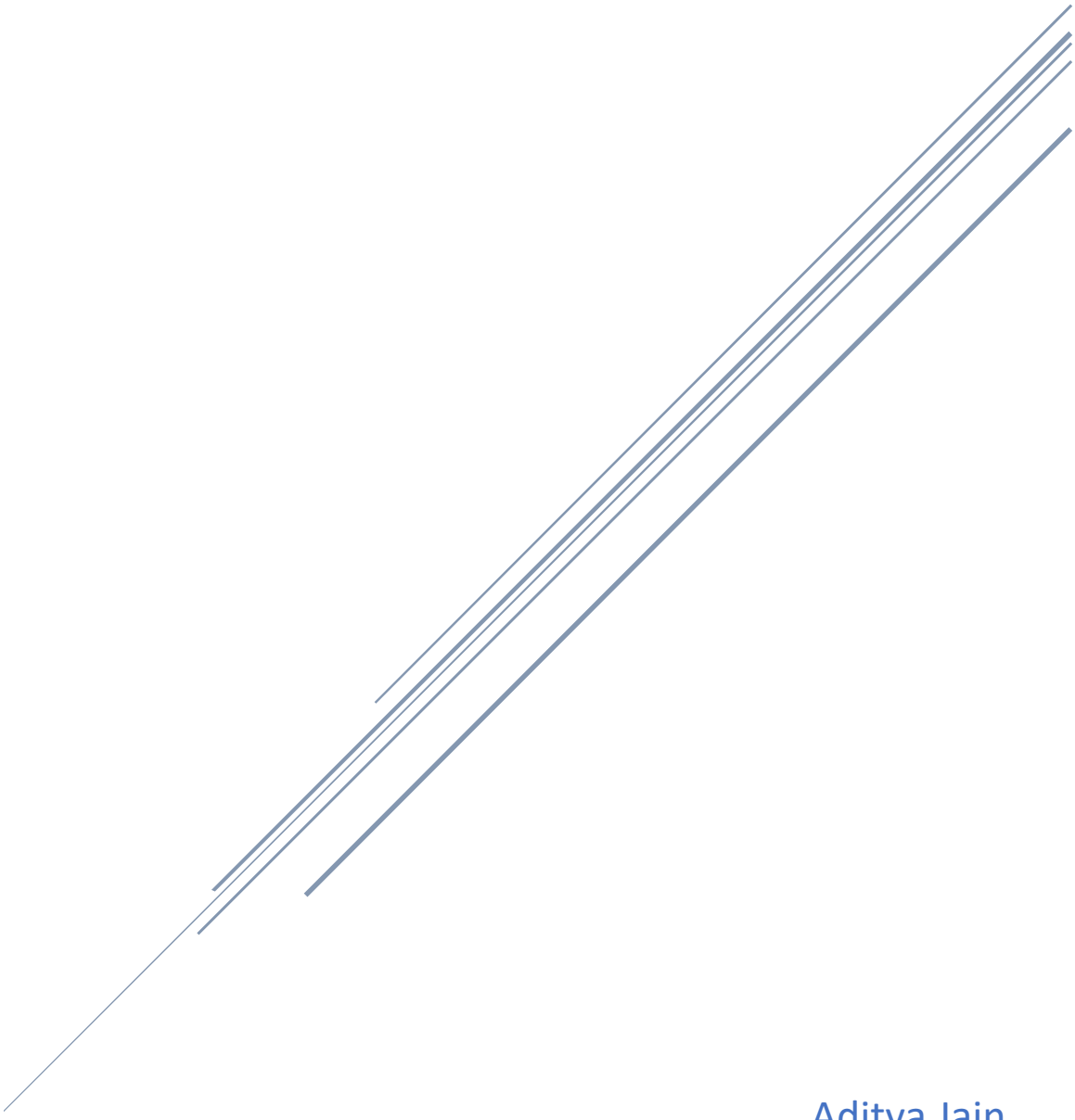
CSE-2007 ASSIGNMENT

Exercise 3



Aditya Jain
17BCE7066

Q1. Find the employee names having salary greater than Rs.25000

1. select firstname,midname,lastname from employee where salary>25000;

```
SQL> select firstname,midname,lastname from employee where salary>25000;

FIRSTNAME       MI LASTNAME
--------------- -- ---------------
Doug            E  Gilbert
Joyce              PAN
Frankin         T  Wong
Jennifer        S  Wallace
John            B  Smith
Ramesh          K  Narayan
James           E  Borg
Robert          F  Scott

8 rows selected.
```

Q2.Find the employee names whose salary lies in the range between 30000 and 70000.

2. select firstname,midname,lastname from employee where salary between 30000 and 70000;

```
SQL> select firstname,midname,lastname from employee where salary between 30000 and 70000;

FIRSTNAME       MI LASTNAME
--------------- -- ---------------
Joyce              PAN
Frankin         T  Wong
Jennifer        S  Wallace
John            B  Smith
Ramesh          K  Narayan
James           E  Borg
Robert          F  Scott

7 rows selected.
```

Q3. Find the employees who have no supervisor.

3. select ssn,firstname,midname,lastname from employee where supervisorssn is null;

```
SQL> select ssn,firstname,midname,lastname from employee where supervisorssn is null;

SSN       FIRSTNAME       MI LASTNAME
--------- --------------- -- ---------------
554433221 Doug            E  Gilbert
543216789 Joyce              PAN
```

Q4. Display the bdate of all employee s in the format 'DDthMonthYYYY'

4. select to_char(birthday,'DDthMonthYYYY') from employee;

```
SQL> select to_char(birthday,'DDthMonthYYYY') from employee;

TO_CHAR(BIRTHDAY,'DDTHMONTHYYYY')
-----------------------------------------
09THJune     1960
07THFebruary 1978
08THDecember 1945
20THJune     1931
09THJanuary  1955
15THSeptember1952
31STJuly     1962
10THNovember 1927
19THJuly     1958
29THMarch    1959
21STJune     1942

11 rows selected.
```

Q5.Display the employee names whose bdate is on or before 1978

5. select firstname,midname,lastname from employee where birthday<='01-JAN-1978';

```
SQL> select firstname,midname,lastname from employee where birthday<='01-JAN-1978';

FIRSTNAME       MI LASTNAME
--------------- -- ---------------
Doug            E  Gilbert
John            B  Smith
Ramesh          K  Narayan
Joyce           A  English
Alicia          J  Zelaya
Ahmad           V  Jabbar

6 rows selected.
```

Q6. Display the employee names having 'salt lake' in their address

6. select firstname,midname,lastname from employee where address like '%Salt Lake%';

```
SQL> select firstname,midname,lastname from employee where address like '%Salt Lake%';

FIRSTNAME       MI LASTNAME
--------------- -- ---------------
Doug            E  Gilbert
Joyce              PAN
```

Q7. Display the department name that starts with 'M'

7. select DEPARTMENTNAME from department where DEPARTMENTNAME like 'M%';

```
SQL> select DEPARTMENTNAME from department where DEPARTMENTNAME like 'M%';

DEPARTMENTNAME
---------------
Manufacture
```

Q8.Display the department names' that ends with 'E'.

8. select DEPARTMENTNAME from department where DEPARTMENTNAME like '%e';

```
SQL> select DEPARTMENTNAME from department where DEPARTMENTNAME like '%e';

DEPARTMENTNAME
---------------
Manufacture
Finance
```

select DEPARTMENTNAME from department where DEPARTMENTNAME like '%E';

```
SQL> select DEPARTMENTNAME from department where DEPARTMENTNAME like '%E';

no rows selected
```

Q9. Display the names of all the employees having supervisor with any of the following SSN 554433221, 333445555. 10. Display all the department

9. select firstname,midname,lastname from employee where supervisorssn in ('554433221','333445555');

```
SQL> select firstname,midname,lastname from employee where supervisorssn in ('554433221','333445555');

FIRSTNAME       MI LASTNAME
--------------- -- ---------------
Frankin         T  Wong
Jennifer        S  Wallace
John            B  Smith
Ramesh          K  Narayan
Joyce           A  English
```

Q10.Display all the department names in upper case and lower case

10. select upper(departmentname),lower(departmentname) from department;

```
SQL> select upper(departmentname),lower(departmentname) from department;

UPPER(DEPARTMEN LOWER(DEPARTMEN
--------------- ---------------
MANUFACTURE     manufacture
ADMINISTRATION  administration
HEADQUARTER     headquarter
FINANCE         finance
RESEARCH        research
```

Q11. **Display the first four characters and last four of the department names using substr**.

11. select substr(departmentname,1,4) as FIRSTFOUR,substr(departmentname,-4) as LASTFOUR from department;

```
SQL> select substr(departmentname,1,4) as FIRSTFOUR,substr(departmentname,-4) as LASTFOUR from department;

FIRSTFOUR       LASTFOUR
--------------- ---------------
Manu            ture
Admi            tion
Head            rter
Fina            ance
Rese            arch
```

Q12.Display the substring of the Address (starting from 5th position to 11 th position) of all employees

12. select substr(address,5,7) from employee;

```
SQL> select substr(address,5,7) from employee;

SUBSTR(ADDRESS,5,7)
---------------------------
 59 E,S
 18 E,S
Voss,Ho
Berry,B
Fondren
Fire Oa
 Rice,H
Stone,H
 Castle
Dallas,
 Newcas

11 rows selected.
```

Q13.Display the Mgrstartdate on adding three months to it

13. select add_months(managerstartdate,3) from department;

```
SQL> select add_months(managerstartdate,3) from department;

ADD_MONTH
---------
19-SEP-71
04-APR-99
22-DEC-55
01-APR-85
01-JAN-89
```

Q14.Display the age of all the employees rounded to two digits

14. select round(abs(sysdate-birthday)/365,2) as age from employee;

```
SQL> select round(abs(sysdate-birthday)/365,2) as age from employee;

       AGE
----------
     58.68
     41.01
     73.19
     87.67
      64.1
     66.42
     56.54
     91.28
     60.58
     59.88
     23.41

11 rows selected.
```

Q15.Find the last day and next day of the month in which each manager has joined

15. select MANAGERSTARTDATE+1 as NEXT_DAY,last_day(MANAGERSTARTDATE) as LAST_DAY from department;

```
SQL> select MANAGERSTARTDATE+1 as NEXT_DAY,last_day(MANAGERSTARTDATE) as LAST_DAY from department;

NEXT_DAY  LAST_DAY
--------- ---------
20-JUN-71 30-JUN-71
05-JAN-99 31-JAN-99
23-SEP-55 30-SEP-55
02-JAN-85 31-JAN-85
02-OCT-88 31-OCT-88
```

Q16. Print a substring from the string 'Harini'.

16. select substr('Harini',3,5) from dual;

```
SQL> select substr('Harini',3,5) from dual;

SUBS
----
rini
```

Q17. Replace the string 'ni' from 'Harini' by 'sh'

17. select replace('Harini','ni','sh') from dual;

```
SQL> select replace('Harini','ni','sh') from dual;

REPLAC
------
Harish
```

Q18. Print the length of all the department names

18. select length(departmentname) from department;

```
SQL> select length(departmentname) from department;

LENGTH(DEPARTMENTNAME)
----------------------
                    11
                    14
                    11
                     7
                     8
```

Q19. Print the system date in the format 25 th May 2007.

19. select to_char(sysdate,'ddth Month yyyy') from dual;

```
SQL> select to_char(sysdate,'ddth Month yyyy') from dual;

TO_CHAR(SYSDATE,'DDTHMONTHYYYY')
--------------------------------------------
31st January   2019
```

Q20. **Display the date after 10 months from current date**

20. select add_months(sysdate,10) from dual;

```
SQL> select add_months(sysdate,10) from dual;

ADD_MONTH
---------
30-NOV-19
```

Q21.Display the next occurrence of Friday in this month

21. select to_char(next_day(sysdate,'FRIDAY'),'DD.MON.YYYY') from dual;

```
SQL> select to_char(next_day(sysdate,'FRIDAY'),'DD.MON.YYYY') from dual;

TO_CHAR(NEXT_DAY(SYS
--------------------
01.FEB.2019
```

Q22. Convert SSN of employee to Number format and display

22. select to_number(SSN) from employee;

```
SQL> select to_number(SSN) from employee;

TO_NUMBER(SSN)
--------------
     123456789
     333445555
     453453453
     543216789
     554433221
     666884444
     888665555
     943775543
     987654321
     987987987
     999887777

11 rows selected.
```

Q23. Display the project location padded with ** on left side**

23. select lpad(PROJECTLOCATION,length(PROJECTLOCATION)+4,'*') from project;

```
SQL> select lpad(PROJECTLOCATION,length(PROJECTLOCATION)+4,'*') from project;

LPAD(PROJECTLOCATION,LENGTH(PROJECTLOCATION)+4,'*')
--------------------------------------------------------------------------------
****Houston
****Salt Lake City
****Houston
****Bellaire
****Sugarland
****Salt Lake City
****New York
****Stafford
****Chicago
****San Francisco

10 rows selected.
```

Q24. Remove the word 'Project' from the project name and display it.

24. select replace(projectname,'Project','') from project;

```
SQL> select replace(projectname,'Project','') from project;

REPLACE(PROJECT
---------------
A
B
C
D
E
F
G
H
I
J

10 rows selected.
```

Q25. Select the SSN of the employee whose dependent name is either Michaelor Abner

25. select empssn from dependent where dependentname='Michael' or dependentname='Abner';

```
SQL> select empssn from dependent where dependentname='Michael' or dependentname='Abner';

EMPSSN
---------
987654321
```