# Course/Code: Advanced Database Administration/CS 540 Instructor: Dr. Vidhyacharan Bhaskar Signature Assignment Italian Restaurant Database Management

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# 1. Establishing & Administering Database.

[oracle@localhost oracle]\$ sqlplus sys/oracle as sysdba
SQL\*Plus: Release 19.0.0.0.0 - Production on Mon Apr 11 15:49:11 2022
Version 19.3.0.0.0
Copyright (c) 1982, 2019, Oracle. All rights reserved.
Connected to:

Oracle Database 19c Enterprise Edition Release 19.0.0.0.0 - Production

2. Creating Tablespaces

Version 19.3.0.0.0

6 rows selected.

SQL> select tablespace\_name from dba\_tablespaces;

TABLESPACE\_NAME

SYSTEM
SYSAUX
TEMP
USERS
APEX\_1291597703607401
UNDOTBS2

```
SQL> CREATE TABLESPACE italianREST

2 DATAFILE 'italianR_data.dbf' SIZE 1M

3 AUTOEXTEND ON NEXT 1M;

Tablespace created.

SQL> select tablespace_name from dba_tablespaces;

TABLESPACE_NAME

SYSTEM
SYSAUX
TEMP
USERS
APEX_1291597703607401
UNDOTBS2
ITALIANREST

7 rows selected.
```

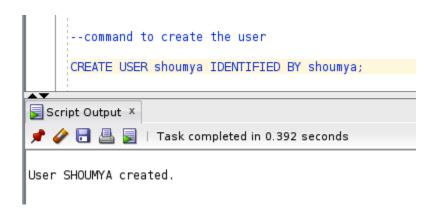
### 3. Creating Table in Tablespace

#### 4. Creation of a User

CREATE USER		

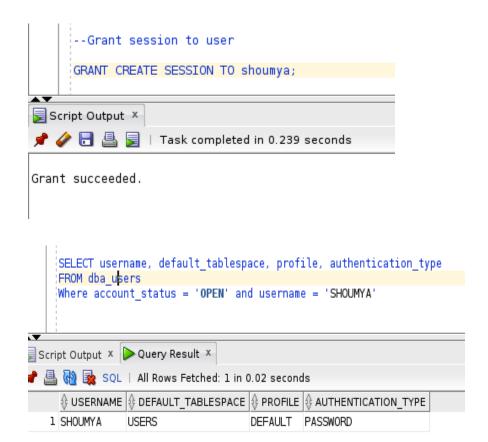
--command to create the user

CREATE USER shoumya IDENTIFIED BY shoumya;



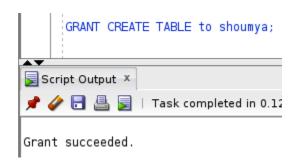
### --Grant session to a user

# GRANT CREATE SESSION TO shoumya;



# 5. User Grant Privileges

```
SQL> create table test(id int PRIMARY KEY, name varchar(20));
create table test(id int PRIMARY KEY, name varchar(20))
*
ERROR at line 1:
ORA-01031: insufficient privileges
SQL> ■
```

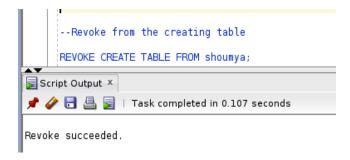


```
SQL> create table test(id int PRIMARY KEY, name varchar(20));

Table created.

SQL> ■
```

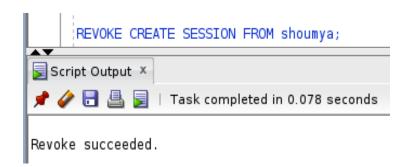
# 6. User Revoke Privileges



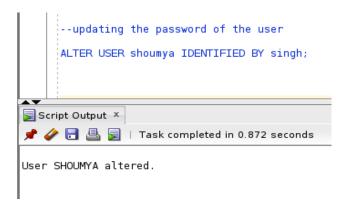
```
PRIVILEGE

CREATE SESSION

SQL>
```



#### 7. Alter & Lock a User

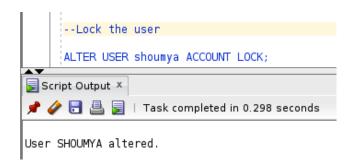


```
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Username? (''?) shoumya
Password? (**********) ******

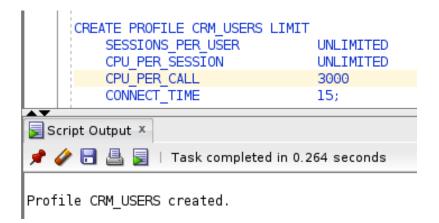
ERROR:

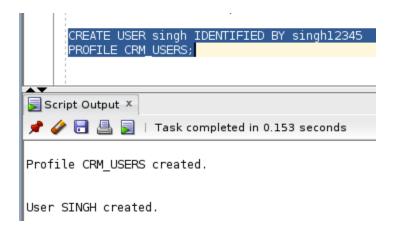
ORA-01017: invalid username/password; logon denied
```



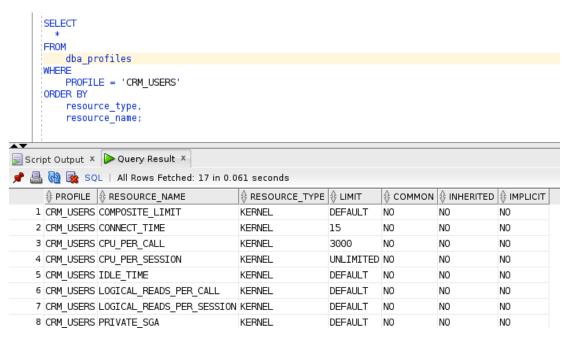
```
Username? (''?) shoumya
Password? (**********) *****
ERROR:
ORA-28000: The account is locked.
Username? (RETRYING) ('shoumya/*********
```

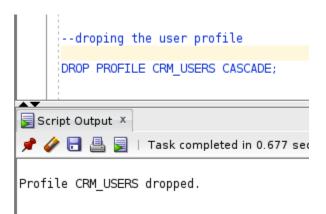
#### 8. User Profile Creation



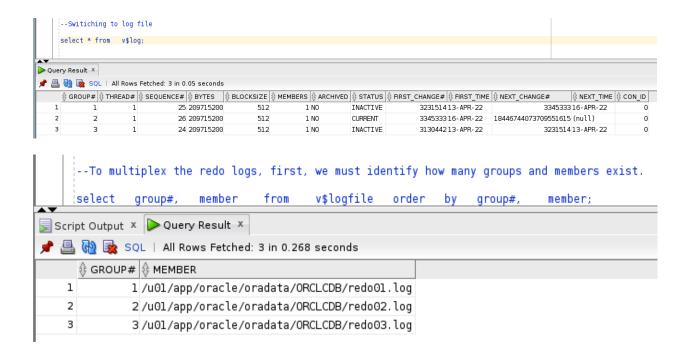


# 9. Accessing & Dropping the Profile

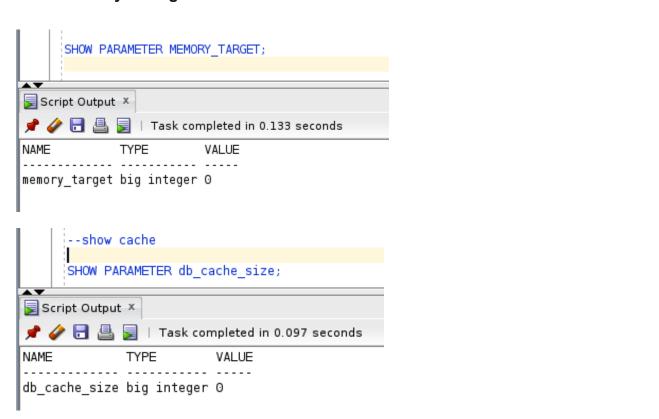




### 10. Redo Log

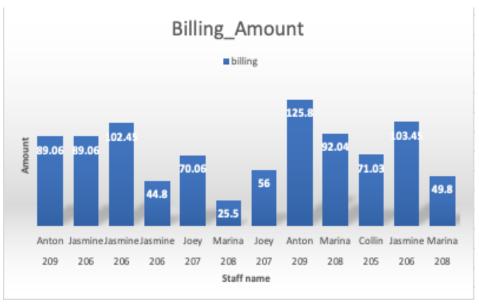


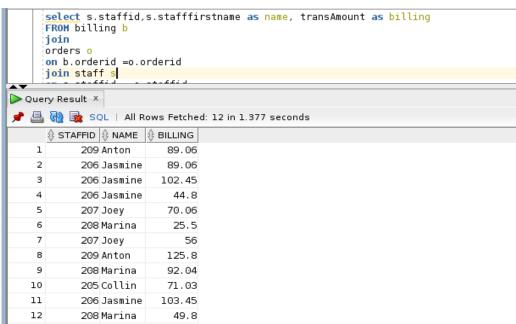
# 11. Memory Management



# 12. The total amount of billing is based on each staff member.

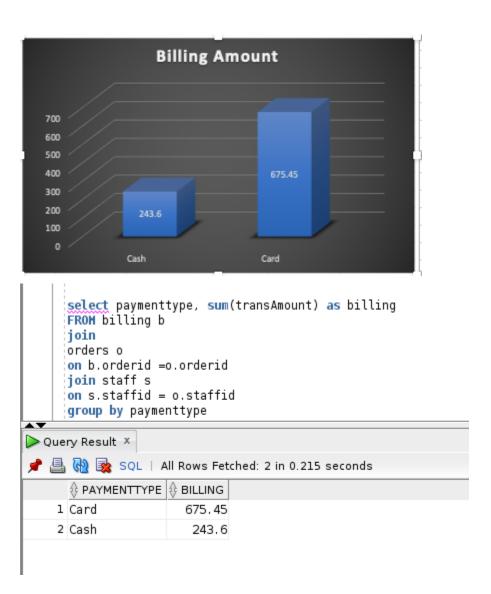
select s.staffid,s.stafffirstname as name, transAmount as billing FROM billing b join orders o on b.orderid =0.orderid join staff s on s.staffid = o.staffid





# 13. The total payment is based on payment type.

select paymenttype, sum(transAmount) as billing
FROM billing b
join
orders o
on b.orderid =0.orderid
join staff s
on s.staffid = o.staffid
group by paymenttype



# 14. The payment based on the shifts.

select s.shifttimeid, sum(transAmount) as billing
FROM billing b
join
orders o
on b.orderid = o.orderid
join staff s
on s.staffid = o.staffid
join shift s
on s.staffid= s.staffid
group by s.shifttimeid

