

```

6)create table emp(emp_no int,emp_name varchar(20),salary int,emp_dpt varchar(20));
insert into emp values(101,'ammu',50000,'salesman');
insert into emp values(103,'appu',70000,'manager');
insert into emp values(102,'anju',64000,'clerk');
insert into emp values(104,'laxmi',68000,'analyst');

```

```

CREATE OR REPLACE PROCEDURE increSalary
IS
emp1 emp%rowtype;
sal emp.salary%type;
dpt emp.emp_dpt%type;
BEGIN
SELECT salary,emp_dpt INTO sal,dpt FROM emp WHERE emp_no = 104;
  IF dpt ='clerk' THEN
    UPDATE emp SET salary = salary+salary* 5/100 ;
  ELSIF dpt = 'salesman' THEN
    UPDATE emp SET salary = salary+salary* 7/100 ;
  ELSIF dpt = 'analyst' THEN
    UPDATE emp SET salary = salary+salary* 10/100 ;
  ELSIF dpt = 'manager' THEN
    UPDATE emp SET salary = salary+salary* 20/100 ;
  ELSE
    DBMS_OUTPUT.PUT_LINE ('NO INCREMENT');

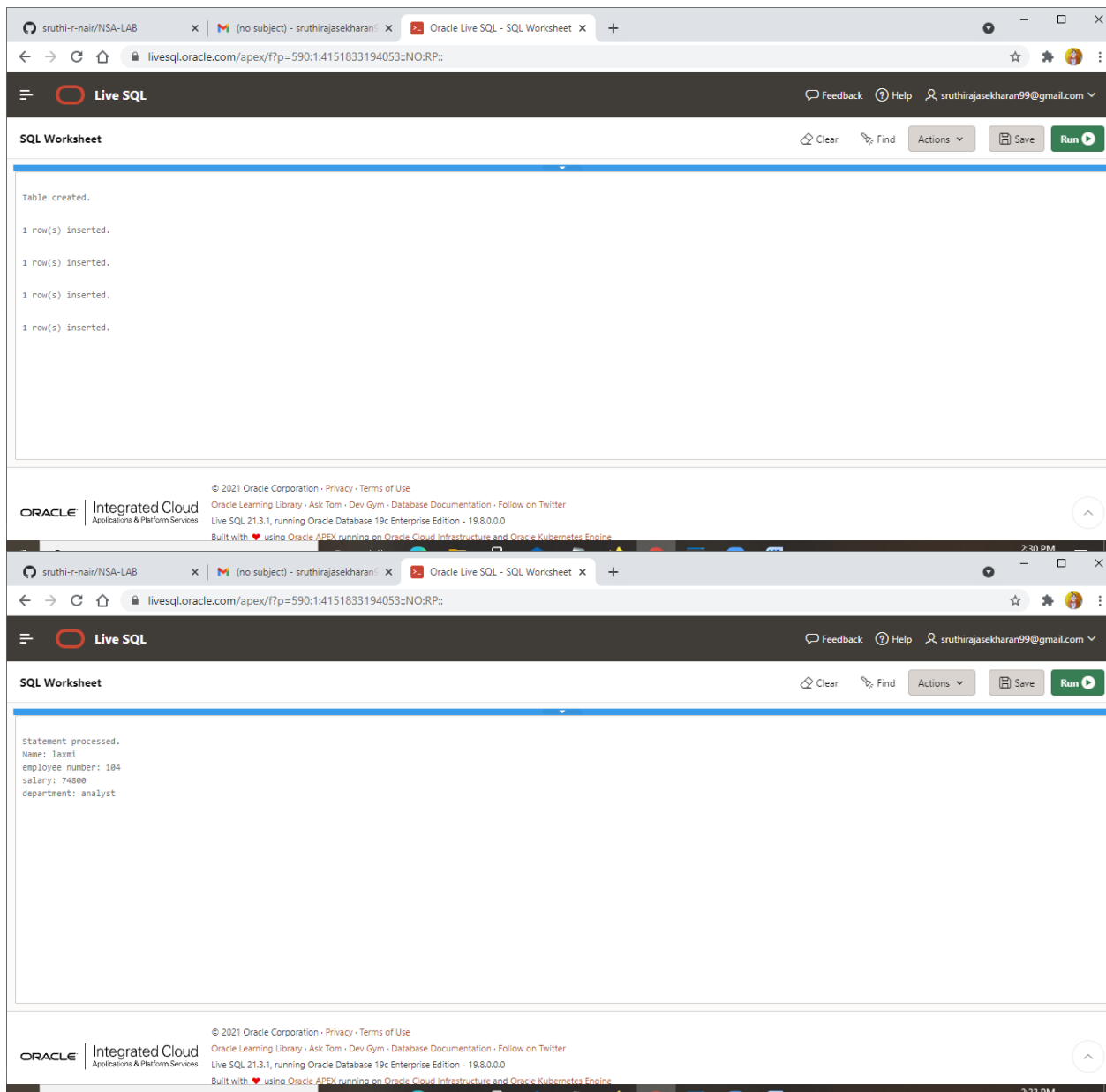
  END IF;
  SELECT * into emp1 FROM emp WHERE emp_no = 104;
  DBMS_OUTPUT.PUT_LINE ('Name: '||emp1.emp_name);
  DBMS_OUTPUT.PUT_LINE ('employee number: '||emp1.emp_no);
  DBMS_OUTPUT.PUT_LINE ('salary: '|| emp1.salary);
  DBMS_OUTPUT.PUT_LINE ('department: '|| emp1.emp_dpt);
END;

```

```

DECLARE
BEGIN
  increSalary();
END;
Output:

```



```
7)create table empy(emp_no int,emp_name varchar(20),salary int,emp_dpt  
varchar(20),dsgrt varchar(20));  
insert into empy values(201,'Jack',50000,'sales','president');  
insert into empy values(202,'Eva',6500,'Ac','president');  
insert into empy values(203,'Oliva',7500,'HR','manager');  
insert into empy values(204,'Giri',7500,'Ac','snr grade');  
insert into empy values(205,'Rena',7500,'HR','president');
```

```
DECLARE  
total_rows number(2);
```

```

emp1 EMPY%rowtype;
BEGIN
UPDATE emp SET salary = salary + salary * 50/100 where dsqt = 'president';
IF sql%notfound THEN
    dbms_output.put_line('no employee salary updated');
ELSIF sql%found THEN
    total_rows := sql%rowcount;
    dbms_output.put_line( total_rows || ' employee salary details  updated');
end if;
end;

```

output:

The image displays two screenshots of the Oracle Live SQL interface, showing the execution of an SQL update statement.

Top Screenshot: The interface shows the "SQL Worksheet" tab. The output area displays the following messages:

```

Table created.
1 row(s) inserted.
1 row(s) inserted.
1 row(s) inserted.
1 row(s) inserted.
1 row(s) inserted.

```

Bottom Screenshot: The interface shows the "SQL Worksheet" tab. The output area displays the following messages:

```

Statement processed.
3 employee salary details updated

```

Both screenshots show the Oracle Live SQL interface with the "SQL Worksheet" tab selected. The interface includes a header with the "Live SQL" logo, a navigation bar with "Feedback", "Help", and a user profile, and a footer with Oracle Corporation information and a copyright notice.

```

8)create table emplo(emp_no varchar(20),emp_name varchar(20),salary int,emp_dpt
varchar(20),gender varchar(10));
insert into emplo values('301','Sree',50000,'sales','male');
insert into emplo values('302','Achu',6500,'Ac','female');
insert into emplo values('303','Tiffi',7500,'HR','female');
insert into emplo values('304','Seena',7500,'Ac','male');
insert into emplo values('305','Aliya',7500,'HR','female');

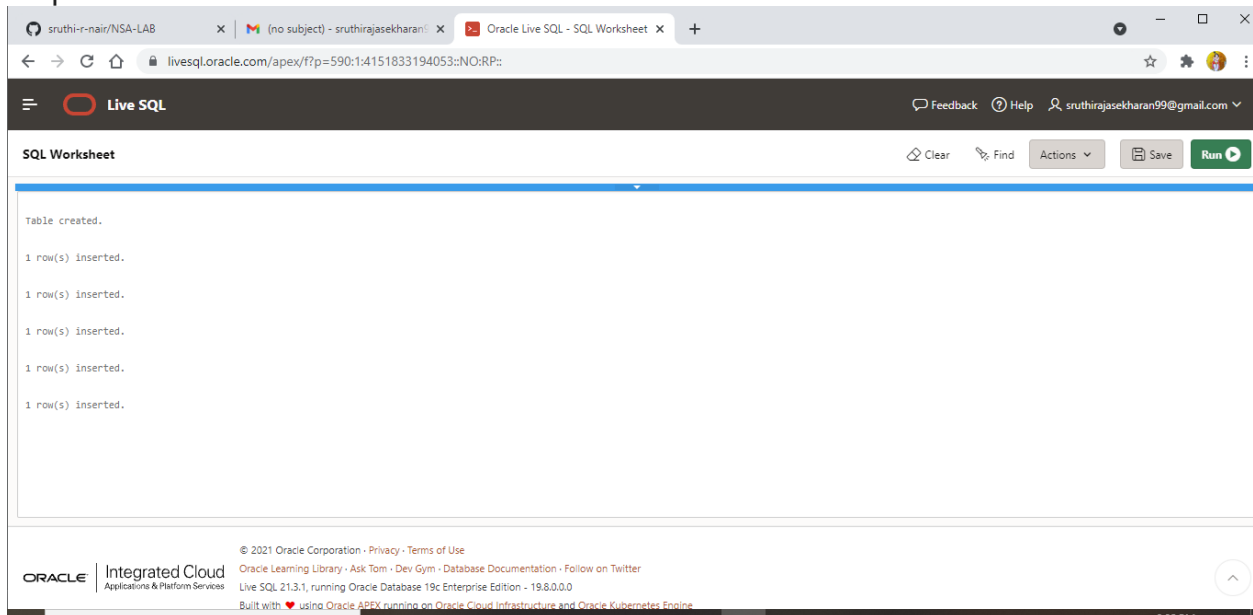
```

```

DECLARE
CURSOR emp1 is SELECT * FROM emplo WHERE emp_name like ('s%');
emp2 emp1%rowtype;
BEGIN
open emp1;
loop
fetch emp1 into emp2;
exit when emp1%notfound;
dbms_output.put_line('employee information: '||emp2.emp_no || ' ' ||
emp2.emp_name || ' ' || emp2.salary|| ' '||emp2.emp_dpt|| '||emp2.gender);
end loop;
dbms_output.put_line('Total number of rows :'||emp1%rowcount);
close emp1;
end;

```

output:



The screenshot shows the Oracle Live SQL interface. The browser address bar indicates the URL is `livesql.oracle.com/apex/f?p=590:1:4151833194053::NO:RP::`. The page title is "Live SQL". The "SQL Worksheet" section shows the following output:

```

Table created.

1 row(s) inserted.

1 row(s) inserted.

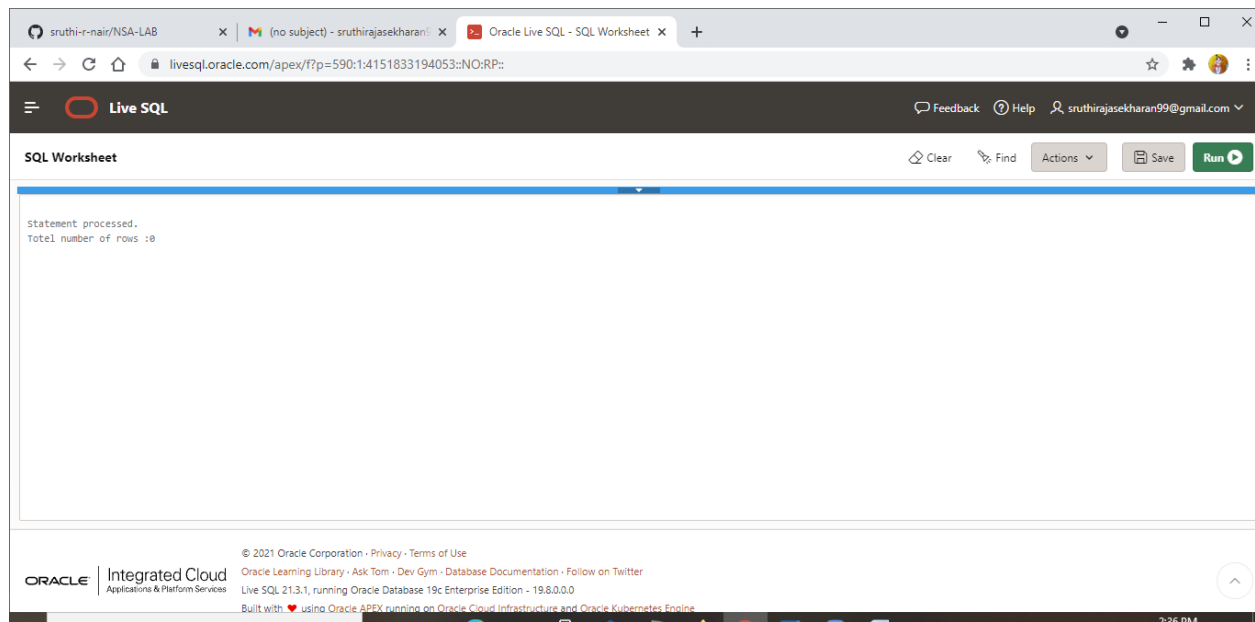
1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

```

At the bottom of the page, there is a footer with the Oracle logo, "Integrated Cloud Applications & Platform Services", and copyright information: "© 2021 Oracle Corporation - Privacy - Terms of Use". It also mentions "Oracle Learning Library - Ask Tom - Dev Gym - Database Documentation - Follow on Twitter" and "Live SQL 21.3.1, running Oracle Database 19c Enterprise Edition - 19.8.0.0.0".



9) create table book(accession_no int , title varchar(20), publisher varchar(20), publishedDate date, author varchar(20), status varchar(30));

```
insert into book values( 1100,'spiderman','kobo','21-jan-2009','Dean','issued');
insert into book values( 2200,'harrypotter','tolino','30-mar-2010','John','present in the library');
insert into book values( 3300,'junglebook','scribd','21-june-2011','Charles','sent for binding');
insert into book values( 4400,'cyndrella','blio','01-sep-2016','Oliva','issued');
insert into book values( 5500,'the story','hive','21-jan-2004','Kate','can not be issued');
insert into book values( 6600,'magicone','fnac','21-jan-2006','Harry',' issued');
```

```
CREATE OR REPLACE TRIGGER search1
before insert ON book
FOR EACH ROW
declare
temp date;
BEGIN
select sysdate into temp from dual;
if inserting then
if :new.publishedDate < add_months(temp, -180) then
:new.status:='cannot be issued' ;
end if;
end if;
end;
```

```
select * from book;
```

output:

The screenshot shows the Oracle Live SQL interface. The top navigation bar includes the Oracle logo, 'Integrated Cloud Applications & Platform Services', and a copyright notice: '© 2021 Oracle Corporation - Privacy - Terms of Use'. Below this, there are links for 'Oracle Learning Library', 'Ask Tom', 'Dev Gym', 'Database Documentation', and 'Follow on Twitter'. The main content area is titled 'SQL Worksheet' and displays the following output:

```
Table created.
1 row(s) inserted.
1 row(s) inserted.
1 row(s) inserted.
1 row(s) inserted.
1 row(s) inserted.
```

Below the output, there is a table with 6 columns: ACCESSION_NO, TITLE, PUBLISHER, PUBLISHEDDATE, AUTHOR, and STATUS. The table contains 5 rows of data:

ACCESSION_NO	TITLE	PUBLISHER	PUBLISHEDDATE	AUTHOR	STATUS
1100	spiderman	kobo	21-JAN-09	Dean	issued
2200	harrypotter	tolino	30-MAR-10	John	present in the library
3300	junglebook	scribd	21-JUN-11	Charles	sent for binding
4400	cyndrella	blilo	01-SEP-16	Olivia	issued
5500	the story	hive	21-JAN-04	Kate	can not be issued

Below the table, there is a link to 'Download CSV' and a message '5 rows selected.'.

```
10)create table inventory(pdtid number primary key, pdtname varchar(10), qty
int,reorder_level number);
insert into inventory values(100,'pen',100,150);
insert into inventory values(102,'pencil',50,100);
insert into inventory values(103,'eraser',200,150);
insert into inventory values(104,'paper',500,250);
```

```
CREATE OR REPLACE TRIGGER checking
before insert ON inventory
FOR EACH ROW
declare
BEGIN
```

```
if inserting then
  if :new.qty > :new.reorder_level then
    :new.reorder_level:=0;
  end if;
end if;
end;
```

```
select * from inventory;
```

output:

The screenshot displays the Oracle Live SQL web interface. The browser's address bar shows the URL `livesql.oracle.com/apex/f?p=590:1:4151833194053::NO:RP::`. The page header includes the "Live SQL" logo, a user profile for "sruthirajasekharan99@gmail.com", and links for "Feedback" and "Help". Below the header, the "SQL Worksheet" section contains a text area with the following SQL code:

```
Table created.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.
```

To the right of the text area are buttons for "Clear", "Find", "Actions", "Save", and a green "Run" button with a play icon. The footer of the page contains the Oracle logo, "Integrated Cloud Applications & Platform Services", and copyright information: "© 2021 Oracle Corporation · Privacy · Terms of Use". It also lists links for "Oracle Learning Library", "Ask Tom", "Dev Gym", and "Database Documentation", and mentions "Live SQL 21.3.1, running Oracle Database 19c Enterprise Edition - 19.8.0.0.0". A small note at the bottom states "Built with ❤️ using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine". The system clock in the bottom right corner shows "2:35 PM".

sruthi-r-nair/NSA-LAB

(no subject) - sruthirajasekharan

Oracle Live SQL - SQL Worksheet

+

livesql.oracle.com/apex/f?p=590:1:4151833194053::NO:RP::

FeedbackHelpsruthirajasekharan99@gmail.com

SQL Worksheet

ClearFindActionsSaveRun

POTID	POTNAME	QTY	REORDER_LEVEL
100	pen	100	150
102	pencil	50	100
103	eraser	200	150
104	paper	500	250

Download CSV
4 rows selected.

ORACLE

Integrated Cloud
Applications & Platform Services

© 2021 Oracle Corporation - Privacy - Terms of Use

Oracle Learning Library - Ask Tom - Dev Gym - Database Documentation - Follow on Twitter

Live SQL 21.3.1, running Oracle Database 19c Enterprise Edition - 19.8.0.0.0

Built with: using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine

41 PM