**Database Programming**

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**Exercise 4 (1.2%)**

**Instruction: Include FULL Screenshot that display your code and output on SQL Developer or Live SQL**

**Write PL/SQL block that will display your first name, last name , name of your favorite programming course.**

DECLARE

firstName varchar(30);

lastName varchar(30);

course varchar(30);

BEGIN

firstName:= 'Sakshi';

lastName:='Jain';

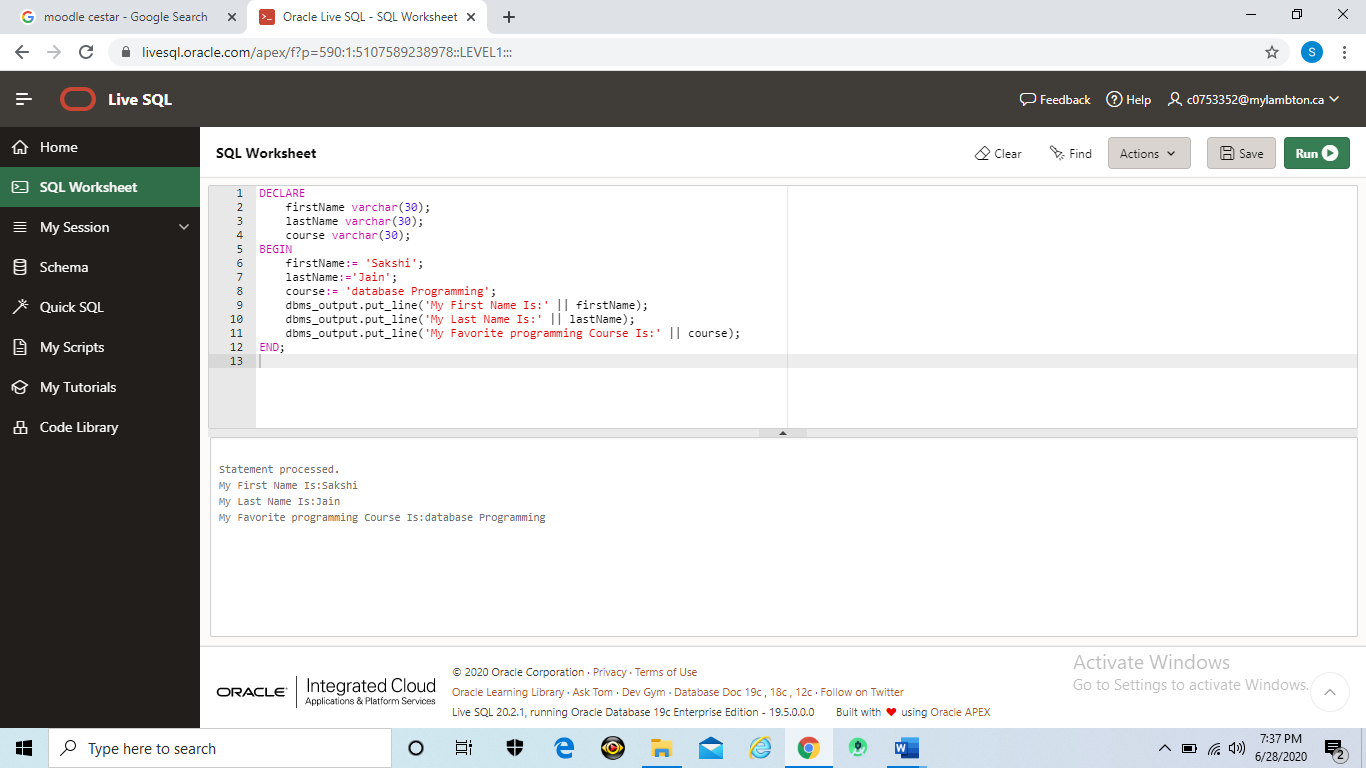
course:= 'database Programming';

dbms\_output.put\_line('My First Name Is:' || firstName);

dbms\_output.put\_line('My Last Name Is:' || lastName);

dbms\_output.put\_line('My Favorite programming Course Is:' || course);

END;



**Exercise 5 (1.2%)**

**Instruction: Include FULL Screenshot that display your code and output on SQL Developer**

**a)Write PL/SQL block that will display the last name, salary and hire date for employee id 101**

DECLARE

v\_last\_name varchar(25);

v\_salary number(10,2);

v\_hire\_date varchar(25);

BEGIN

select last\_name, salary, hire\_date

INTO v\_last\_name, v\_salary, v\_hire\_date

FROM hr.employees

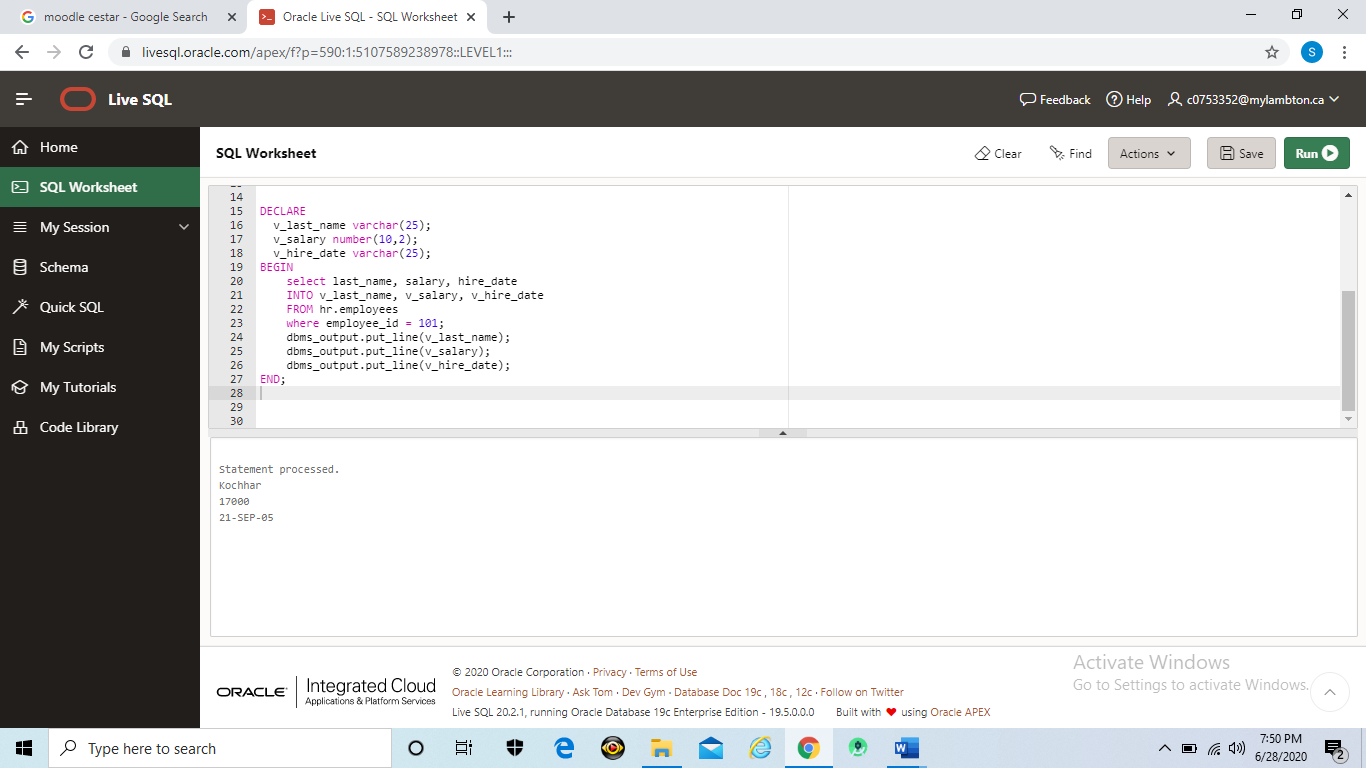
where employee\_id = 101;

dbms\_output.put\_line(v\_last\_name);

dbms\_output.put\_line(v\_salary);

dbms\_output.put\_line(v\_hire\_date);

END;



**b)Write PL/SQL block that will display the last name, salary the recent hire date for department 60**

DECLARE

CURSOR new\_cursor IS SELECT last\_name, salary, hire\_date FROM hr.employees where department\_id=60;

v\_last\_name hr.employees.last\_name%TYPE;

v\_salary hr.employees.salary%TYPE;

v\_date hr.employees.hire\_date%TYPE;

BEGIN

open new\_cursor;

loop

fetch new\_cursor into v\_last\_name, v\_salary, v\_date;

exit when new\_cursor%notfound;

dbms\_output.put\_line('last\_name:' || v\_last\_name);

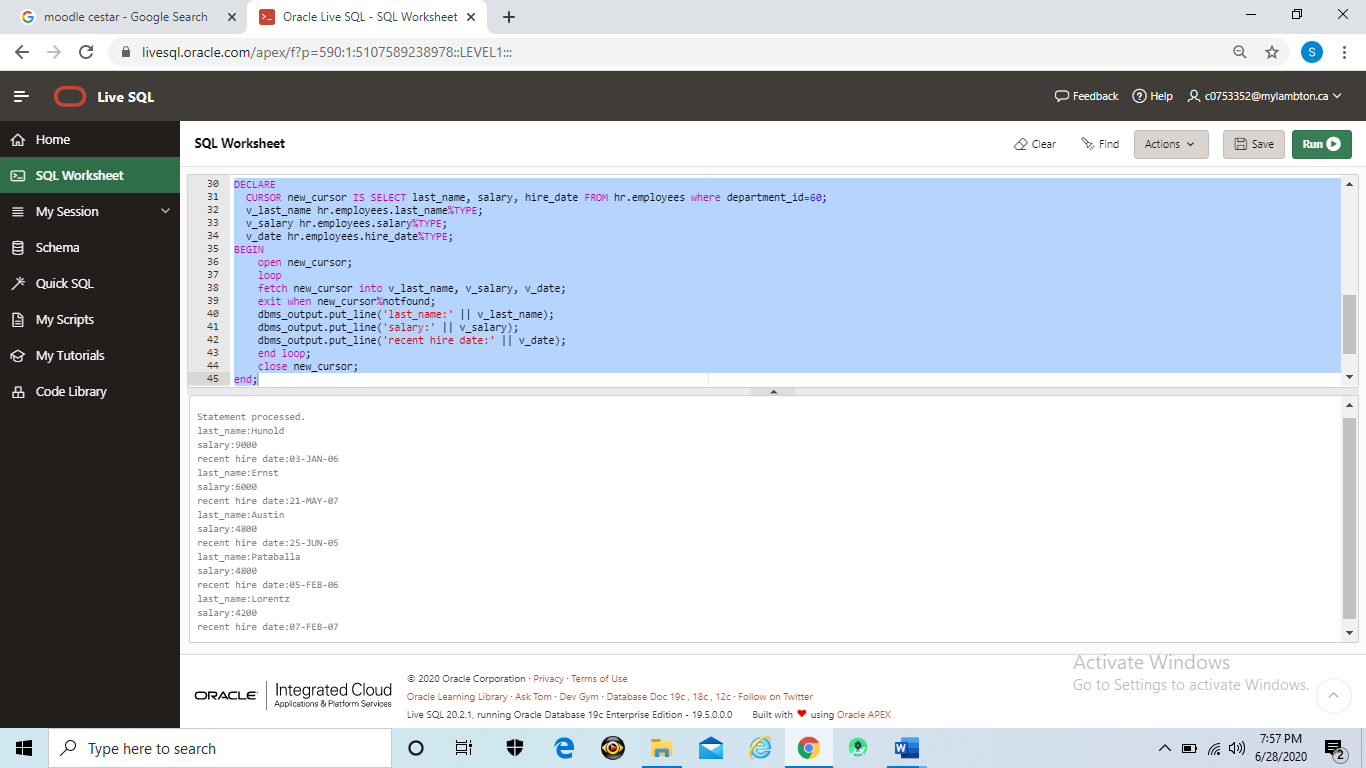
dbms\_output.put\_line('salary:' || v\_salary);

dbms\_output.put\_line('recent hire date:' || v\_date);

end loop;

close new\_cursor;

end;



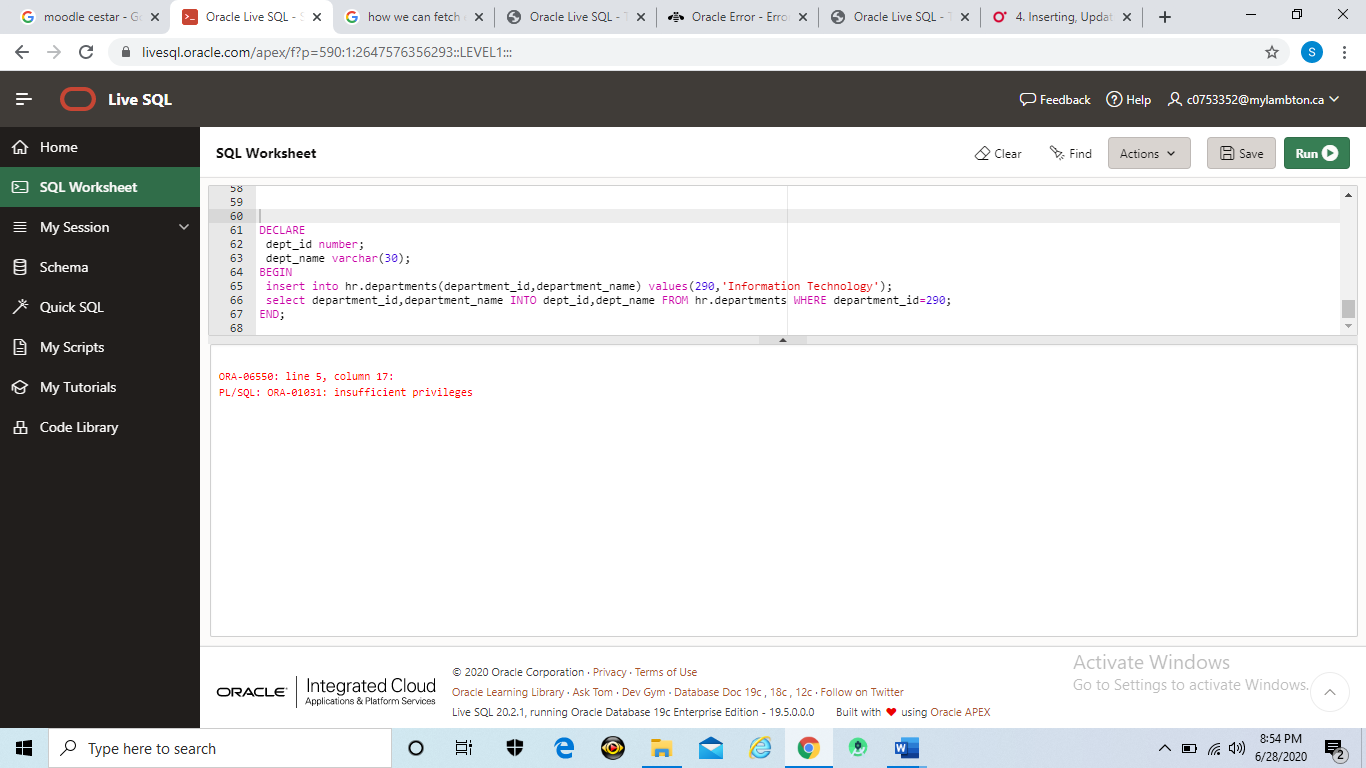
**Exercise 6 (1.2%)**

**Instruction: Include FULL Screenshot that display your code and output on SQL Developer**

**Write PL/SQL block that will insert new department id in the department table in HR database as following:**

**Department\_id = 290 and Department\_name=’Information Technology. Write select statement to show the inserted row.**

**Department\_id = 300 and Department\_name= ‘Procurement’. Write select statement to show the inserted row.**



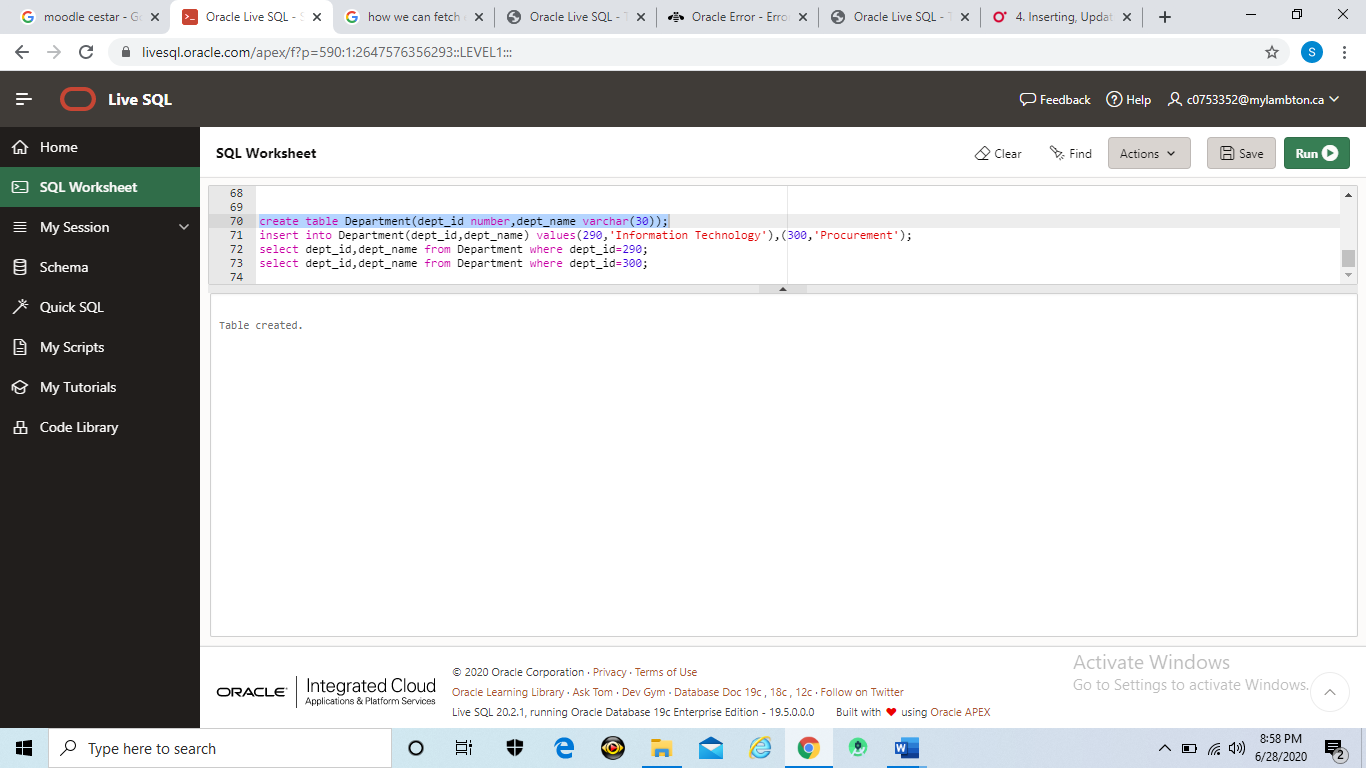
**create table Department(dept\_id number,dept\_name varchar(30));**

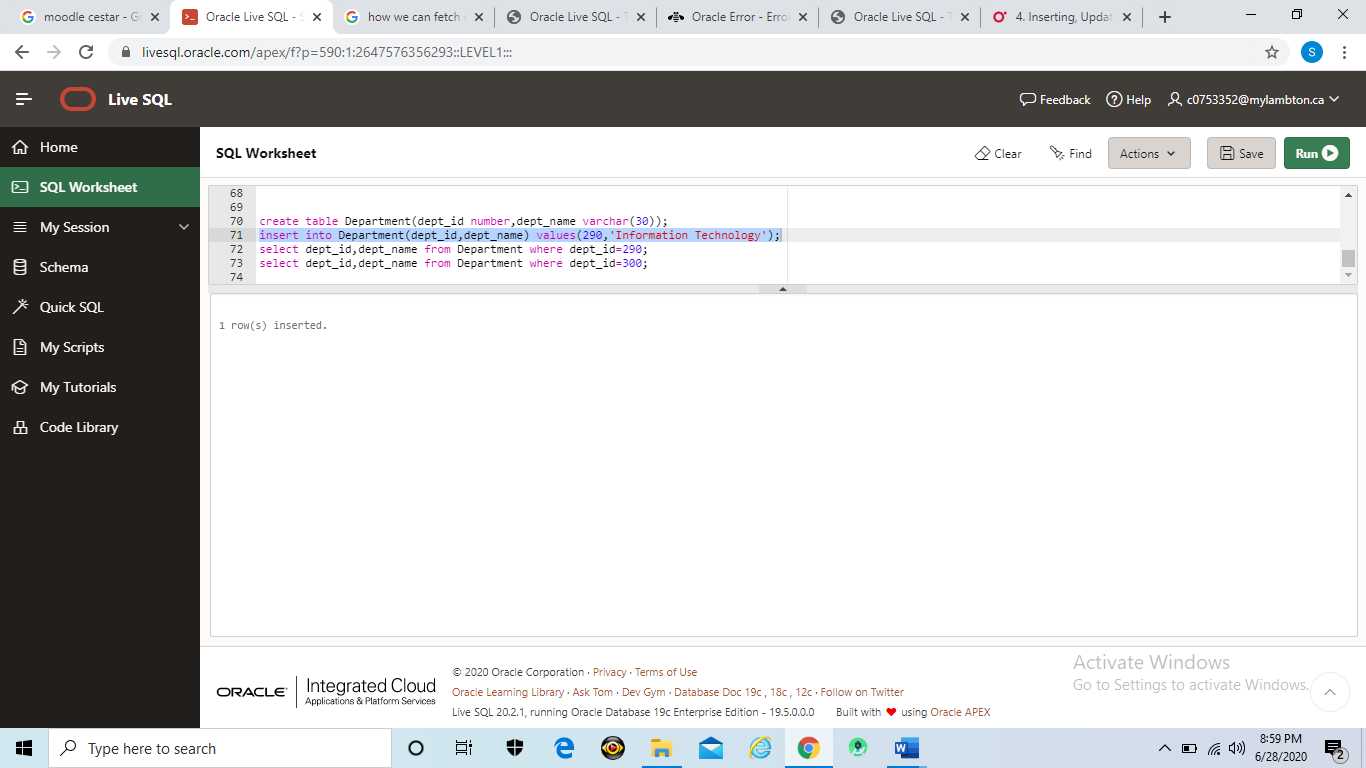
**insert into Department(dept\_id,dept\_name) values(290,'Information Technology');**

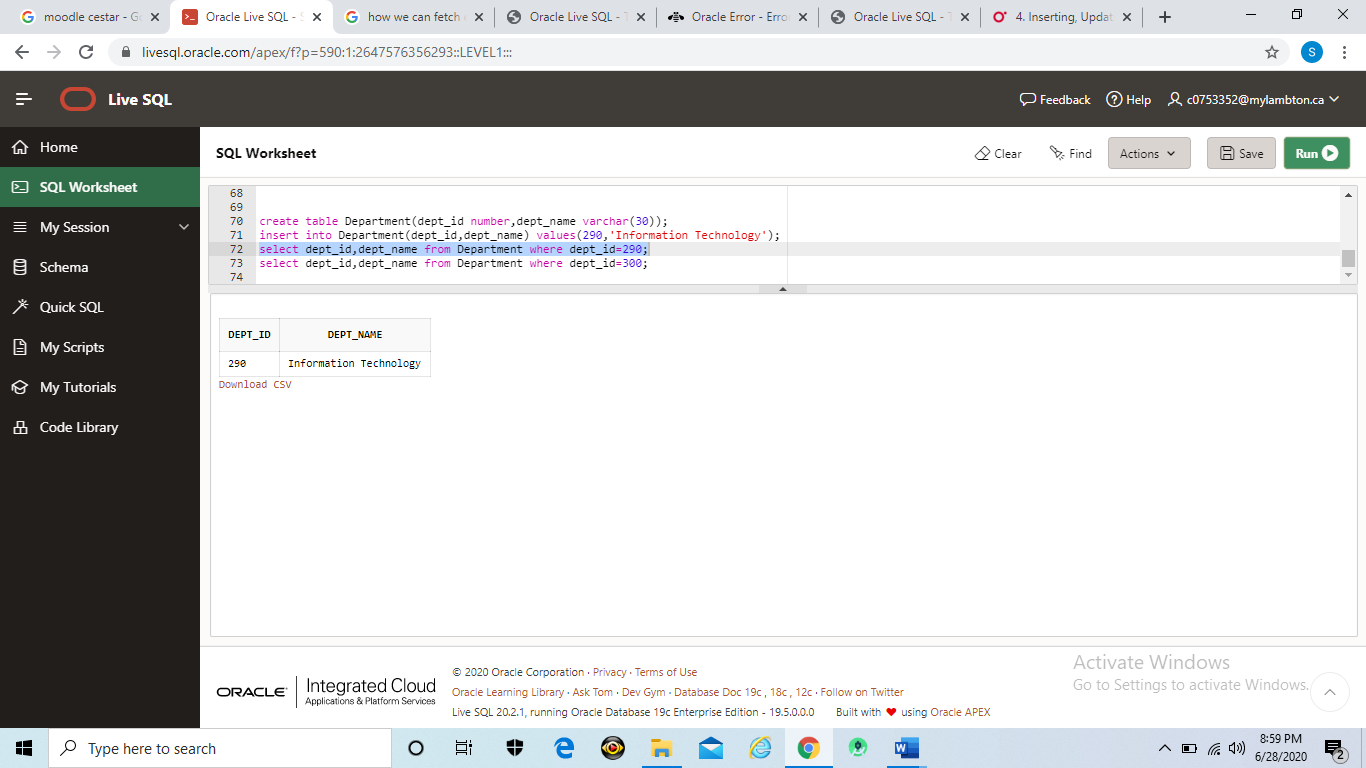
**select dept\_id,dept\_name from Department where dept\_id=290;**

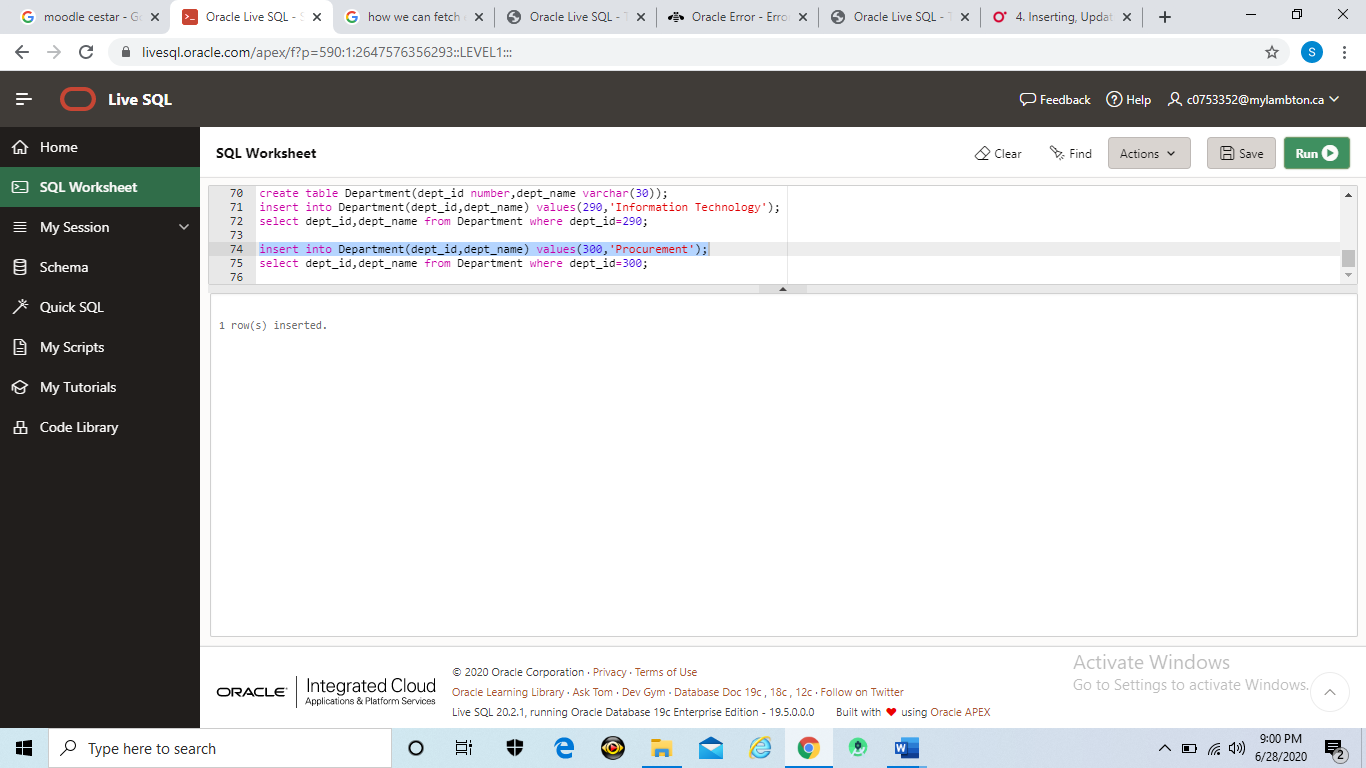
**insert into Department(dept\_id,dept\_name) values(300,'Procurement');**

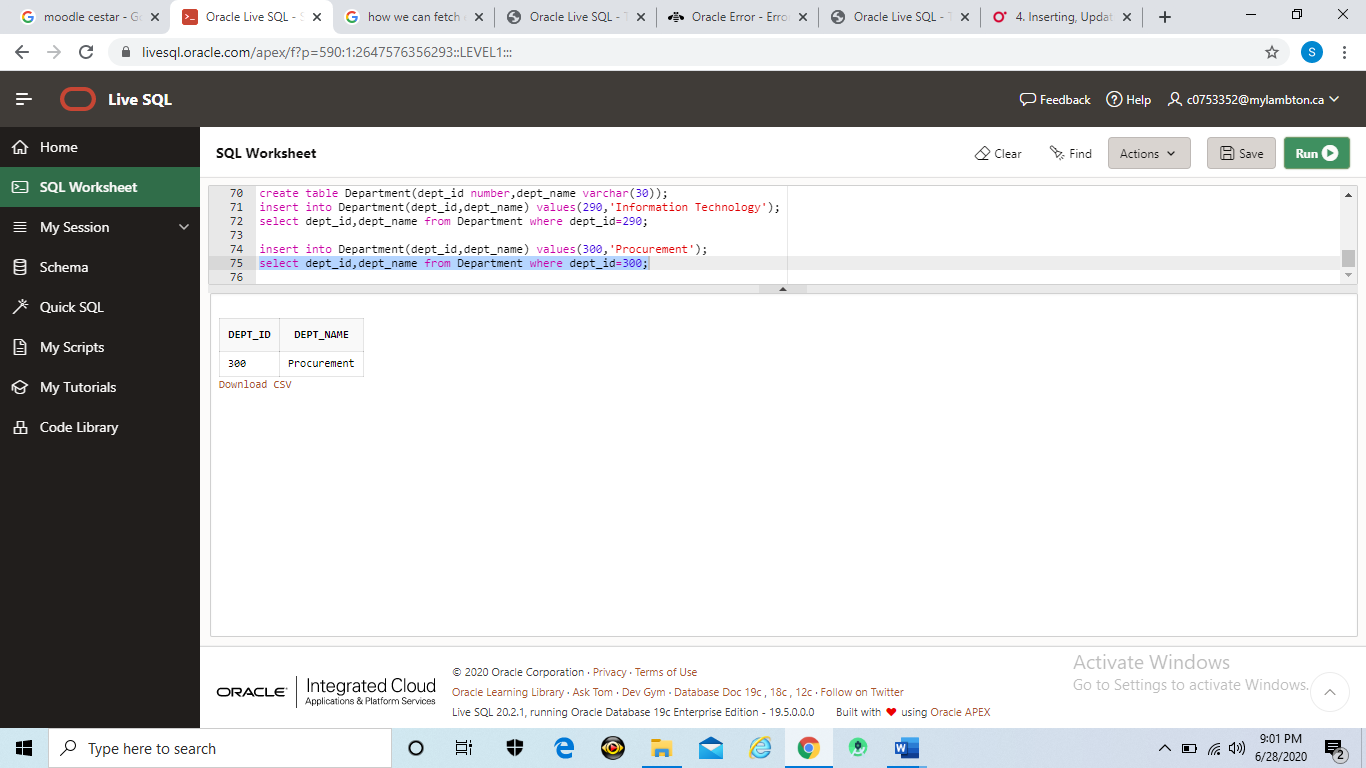
**select dept\_id,dept\_name from Department where dept\_id=300;**











**Exercise 7 (1.2%)**

**Instruction: Include FULL Screenshot that display your code and output on SQL Developer**

**Write PL/SQL block that will display the highest and lowest employee salary in department\_id 60.**

DECLARE

high\_salary number(15,2);

low\_salary number(15,2);

BEGIN

select MAX(salary), MIN(salary)

INTO high\_salary, low\_salary

FROM hr.employees

WHERE department\_id= 60;

dbms\_output.put\_line('Maximum Salary is:' || high\_salary);

dbms\_output.put\_line('Minimum Salary is:'|| low\_salary);

END;

