



National University
of computer and emerging sciences

Lab 13

CL-219 Database Lab

BS(CS) – F

Batch 2018

Submitted By:

Hassan Shahzad 18i-0441

Submitted to:

Ma'am Ayesha Kamran

Date of Submission:

01-06-21

Q1

```
set serveroutput on;

declare
    v_empno emp.empno%TYPE;
    v_sal emp.sal%TYPE;

begin
    v_empno := 205;

    select sal
    into v_sal
    from emp
    where empno=v_empno;

    if v_sal>1000 then
        update emp
        set job='MANAGER'
        where empno=v_empno;

    else
        update emp
        set job='ANALYST'
        where empno= v_empno;

    end if;

end;
/
```

Q2

```
create or replace procedure Update_commission(Target_value NUMBER,
Employee_ID NUMBER) IS

declare
    v_sal emp.sal%TYPE;

begin
    select sal
    into v_sal
    from emp
    where empno=Employee_ID;

    if v_sal > Target_value then
        update emp
        set comm=0.3*v_sal
        where empno=Employee_ID;

    else if v_sal == Target_value then
        update emp
        set comm=0.1*v_sal
        where empno=Employee_ID;

    end if;

end;
/
```

Q3

```
create or replace trigger trigger_emp
before update on emp
for each row
enable
begin
    dbms_output.put_line('New salary: '||:NEW.sal||' Old salary: '||:OLD.sal);

end;
/
```