Explicit cursor Q1

Create a hostel mess database with fields(stud_no, name, messfee, veg/nonveg). Write a PL/SQL program to increase the mess fee of vegetarians by 10% and non vegetarians by 20%. Also create tables vegetarian and non_vegetarian which includes fields: stud_no, name, raise_in_fee and date on which raise was given. Insert values into these tables through PL/SQL program.

```
SQL> CREATE TABLE hostel_mess(stud_no INT PRIMARY KEY, name VARCHAR(30), messfee INT, v
eg_nonveg VARCHAR(10));

Table created.
```

```
SQL> CREATE TABLE vegetarian(stud_no INT REFERENCES hostel_mess(stud_no), name VARCHAR(
30), raise_in_fee INT, date_raise DATE);

Table created.
```

```
SQL> CREATE TABLE non_vegetarian(stud_no INT REFERENCES hostel_mess(stud_no), name VARC
HAR(30), raise_in_fee INT, date_raise DATE);

Table created.
```

Program:

```
 declare
        cursor c is SELECT * FROM hostel_mess;
        a hostel_mess%rowtype;
        raise_fee number;
begin
        open c;
        loop
                FETCH c INTO a;
                exit when c%notfound;
                if a.veg_nonveg='veg' then
                        raise_fee:=a.messfee*0.1;
                        UPDATE hostel_mess SET messfee=messfee+raise_fee WHERE
stud_no=a.stud_no;
                        INSERT INTO vegetarian VALUES(a.stud_no, a.name, raise_fee, sysdate);
                elsif a.veg_nonveg='nonveg' then
                        raise_fee:=a.messfee*0.2;
                        UPDATE hostel_mess SET messfee=messfee+raise_fee WHERE
stud_no=a.stud_no;
                        INSERT INTO non_vegetarian VALUES(a.stud_no, a.name, raise_fee,
sysdate);
```

```
                end if;

        end loop;

        close c;

end;
```

Output:

```
SQL> /

PL/SQL procedure successfully completed.

SQL> select * from vegetarian;

   STUD_NO NAME                              RAISE_IN_FEE DATE_RAIS
---------- ----------------------------- ------------ ---------
        69 Vivek                                    500 07-DEC-22

SQL> select * from non_vegetarian;

   STUD_NO NAME                              RAISE_IN_FEE DATE_RAIS
---------- ----------------------------- ------------ ---------
        70 Zameel                                  1400 07-DEC-22

SQL> select * from hostel_mess;

   STUD_NO NAME                                   MESSFEE VEG_NONVEG
---------- ----------------------------- ---------- ----------
        70 Zameel                                    8400 nonveg
        69 Vivek                                     5500 veg
```