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**Lab 09 Task**

```
CREATE TABLE Person (  
    personID int NOT NULL,  
    personName varchar (50) NOT NULL,  
    PreviousName varchar (50) NULL,  
    SameNameCount int NULL,  
    CONSTRAINT pk_Person PRIMARY KEY (personID)  
);
```

```
CREATE or REPLACE TRIGGER Before_Updating_Person_name  
BEFORE  
UPDATE ON Person  
for each row  
BEGIN  
if :new.personName != :old.personName then  
:new.previousName := :old.personName;  
end if;  
END;
```

```
CREATE or REPLACE TRIGGER After_insert_delete_Name_count  
AFTER  
INSERT OR DELETE ON Person  
declare  
BEGIN
```

```
FOR C IN (SELECT personName, count(*) as newcount from Person group by personName)
loop
update Person set SameNameCount = c.newcount where personName = c.personName;
end loop;
END;
```

```
CREATE or REPLACE TRIGGER After_Updating_Name_count
AFTER
UPDATE of personName ON Person
declare
BEGIN
FOR C IN (SELECT personName, count(*) as newcount from Person group by personName)
loop
update Person set SameNameCount = c.newcount where personName = c.personName;
end loop;
END;
```

```
insert into person ( personID, personName) values ( 108, 'Ibadullah');
insert into person ( personID, personName) values ( 202, 'Shaikh');
insert into person ( personID, personName) values ( 304, 'FASTNUCES');
select * from Person;
```

```
update Person set personName = 'Database' where personID = 101;
update Person set personName = 'LabNine' where personID = 202;
update Person set personName = 'Karachi' where personID = 304;
select * from Person;
```