TRIGGERS

1. Create a trigger for emp table which makes the entry in name column in upper case.

```
use emp;
use delimiter //
create trigger cap before insert on employee for each row
begin
      set new.name=UPPER(new.name);
end//
insert into employee value(1233,'absdd','Analyst',20,'SE','2022-03-
30',123392,34,23)//
select * from employee//
```

EMP_NO	NAME	DESIGNATION	DEPT_NO	DEPT_NAME	DATE_OF_JOIN	SALARY	PF	exp
1232	abs	Analyst	20	SE	2022-03-30	5222	34	23
1233	ABSDD	Analyst	20	SE	2022-03-30	1222	34	23

2. Create a trigger for inserting, updating records into emp table and sal should be greater than 10000.

```
Create trigger ins before insert on employee for each row
begin
      if new.salary>10000 then
            set new.emp_no=new.emp_no;
        set new.name=new.name;
        set new.designation=new.designation;
        set new.dept_no=new.dept_no;
        set new.dept_name=new.dept_name;
        set new.date_of_join=new.date_of_join;
        set new.salary=new.salary;
        set new.pf=new.pf;
        set new.exp=new.exp;
      else
            call err();
      end if ;
end//
```

```
Create trigger upd before update on employee for each row
begin
      if new.salary>10000 then
            set new.emp_no=new.emp_no;
        set new.name=new.name;
        set new.designation=new.designation;
```

```
        set new.dept_no=new.dept_no;
        set new.dept_name=new.dept_name;
        set new.date_of_join=new.date_of_join;
        set new.salary=new.salary;
        set new.pf=new.pf;
        set new.exp=new.exp;
    else
            call err();
    end if ;
end//
insert into employee value(1537,'alal','Analyst',20,'SE','2022-03-
30',1232,34,23)//
```

❌ 414 22:11:12 select * from employee; insert i... Error Code: 1415 Not allowed

(In other cases, the trigger is not triggered)

3. Create a trigger on emp table that avoids deletion on Fridays.

```
create trigger block_bad_friday before delete on employee for each row
begin
  if weekday(curdate())=4 then
    signal sqlstate "70715";
  end if;
end//
Result-> deletes only on Fridays
```

4. Create a trigger on emp table so that records of 'sunil' not be deleted.

```
create trigger name_safe before delete on employee for each row
begin
      if old.name="Sunil" then
        signal sqlstate "70715"
      end if;
end//
delete from employee where name="Sunil"//
```

❌ 415 22:13:53 delete from employee where n... Error Code: 1644. Unhandled user-defined exception condition

```
delete from employee where name="Curtis"//
```

✅ 417 22:14:35 delete from employee where name="Curtis"   1 row(s) affected