

ASSIGNMENT

Submitted By,
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RMCA Batch A
Roll No:29

Question: Create a Trigger for employe table it will update another table salary while updating values.

Code:

sql>

```
CREATE TABLE `employe` (  
  `emp_id` int(11) NOT NULL,  
  `emp_name` varchar(45) DEFAULT NULL,  
  `dob` date DEFAULT NULL,  
  `address` varchar(45) DEFAULT NULL,  
  `designation` varchar(45) DEFAULT NULL,  
  `mobile_no` int(11) DEFAULT NULL,  
  `dept_no` int(11) DEFAULT NULL,  
  `salary` int(11) DEFAULT NULL,  
  PRIMARY KEY (`emp_id`)  
);
```

Sql>

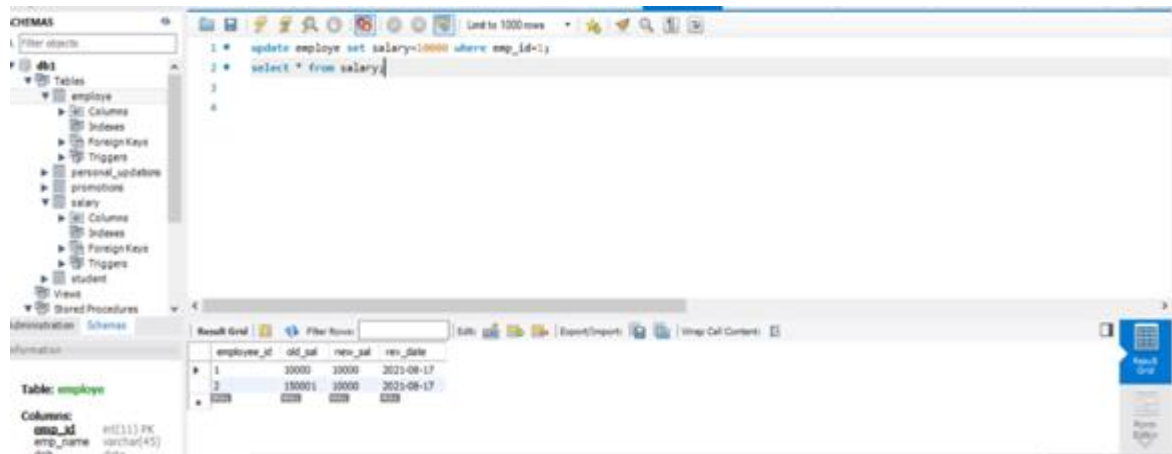
```
CREATE TABLE `salary` (  
  `employee_id` int(11) NOT NULL,  
  `old_sal` int(11) DEFAULT NULL,  
  `new_sal` int(11) DEFAULT NULL,  
  `rev_date` date DEFAULT NULL,  
  PRIMARY KEY (`employee_id`)  
);
```

sql>

```
CREATE DEFINER=`root`@`localhost` TRIGGER  
`db1`.`personal_updates_AFTER_UPDATE_1`  
AFTER UPDATE ON `employe`  
FOR EACH ROW  
BEGIN  
  if(new.salary != old.salary)  
  then  
    INSERT INTO salary (employee_id,old_sal,new_sal,rev_date) values  
    (new.emp_id,old.salary,new.salary,sysdate());  
  END if;  
end;
```

sql>

```
update employee set salary=23569 where emp_id=1;  
select * from salary;
```



Question: Create a Trigger for employee table it will update another table personal_updates while updating values.

Code:

sql>

```
CREATE TABLE `employee` (  
  `emp_id` int(11) NOT NULL,  
  `emp_name` varchar(45) DEFAULT NULL,  
  `dob` date DEFAULT NULL,  
  `address` varchar(45) DEFAULT NULL,  
  `designation` varchar(45) DEFAULT NULL,  
  `mobile_no` int(11) DEFAULT NULL,  
  `dept_no` int(11) DEFAULT NULL,  
  `salary` int(11) DEFAULT NULL,  
  PRIMARY KEY (`emp_id`)  
);
```

Sql>

```
CREATE TABLE `personal_updates` (  
  `emp_id` int(11) NOT NULL,
```

```

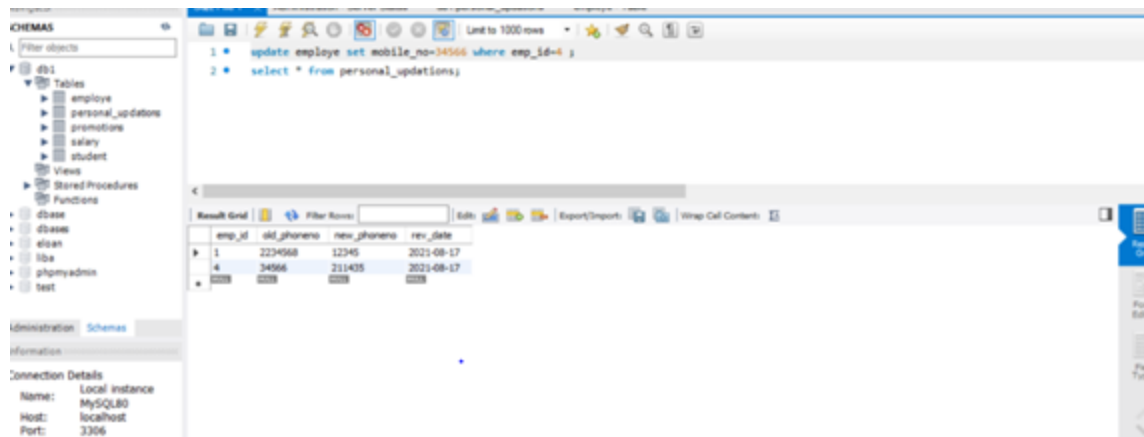
`old_phoneno` int(11) DEFAULT NULL,
`new_phoneno` int(11) DEFAULT NULL,
`rev_date` date DEFAULT NULL,
PRIMARY KEY (`emp_id`)
);
sql>
CREATE DEFINER=`root`@`localhost` TRIGGER
`db1`.`personal_updates_AFTER_UPDATE`
AFTER UPDATE ON `employee`
FOR EACH ROW
BEGIN
if(new.mobile_no != old.mobile_no)
then
INSERT INTO personal_updates (emp_id,old_phoneno,new_phoneno,rev_date)
values (new.emp_id,new.mobile_no,old.mobile_no,sysdate());
END if;
end;

```

```

sql>
update employee set mobile_no=34566 where emp_id=4 ;
select * from personal_updates;

```



Question: Create a Trigger for employe table it will update another table promotions while updating values.

Code:

sql>

```
CREATE TABLE `employe` (  
  `emp_id` int(11) NOT NULL,  
  `emp_name` varchar(45) DEFAULT NULL,  
  `dob` date DEFAULT NULL,  
  `address` varchar(45) DEFAULT NULL,  
  `designation` varchar(45) DEFAULT NULL,  
  `mobile_no` int(11) DEFAULT NULL,  
  `dept_no` int(11) DEFAULT NULL,  
  `salary` int(11) DEFAULT NULL,  
  PRIMARY KEY (`emp_id`)  
);
```

Sql>

```
CREATE TABLE `personal_updates` (  
  `emp_id` int(11) NOT NULL,  
  `old_phoneno` int(11) DEFAULT NULL,  
  `new_phoneno` int(11) DEFAULT NULL,  
  `rev_date` date DEFAULT NULL,  
  PRIMARY KEY (`emp_id`)  
);
```

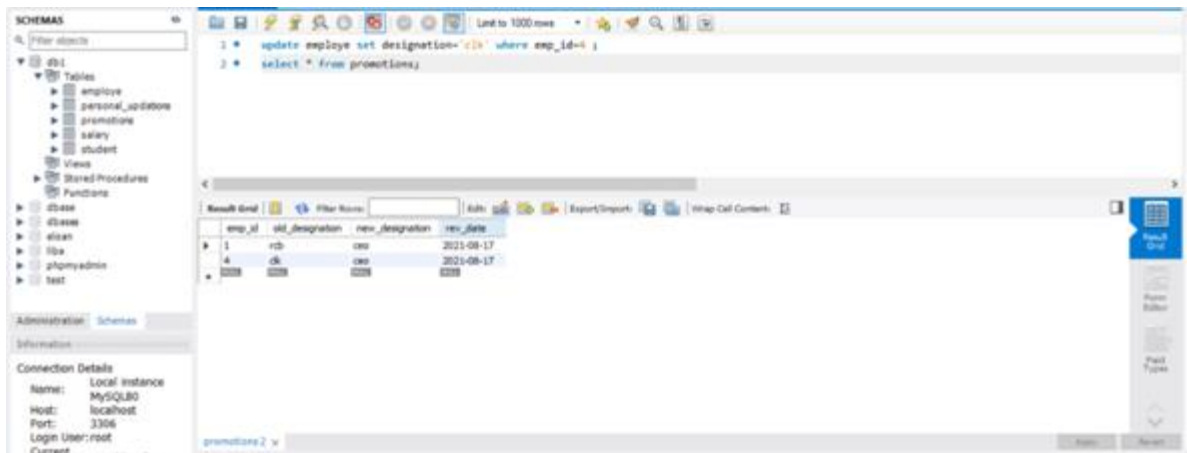
sql>

```
CREATE DEFINER=`root`@`localhost` TRIGGER `db1`.`employe_AFTER_UPDATE_1`  
AFTER UPDATE ON `employe`  
FOR EACH ROW  
BEGIN  
  if(new.designation != old.designation)  
  then  
    INSERT INTO promotions (emp_id,old_designation,new_designation,rev_date)  
    values (new.emp_id,new.designation,old.designation,sysdate());  
  END if;  
end;
```

sql>

update employee set designation='clk' where emp_id=4 ;

select * from promotions;



The screenshot displays a MySQL database management interface. On the left, the 'SCHEMAS' panel shows a tree view of databases, with 'db1' selected. The main window shows the execution of two SQL queries:

```
1 * update employee set designation='clk' where emp_id=4 ;
2 * select * from promotions;
```

The 'Result Grid' shows the output of the second query, displaying two rows of data from the 'promotions' table:

emp_id	old_designation	new_designation	rev_date
1	cto	cto	2021-08-17
4	cto	cto	2021-08-17

The bottom status bar indicates the current connection details: Name: MySQL80, Host: localhost, Port: 3306, Login User: root, Current: promotions2 v.