AVANI P A

S2RMCA- A

Roll no: 32

1) 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>

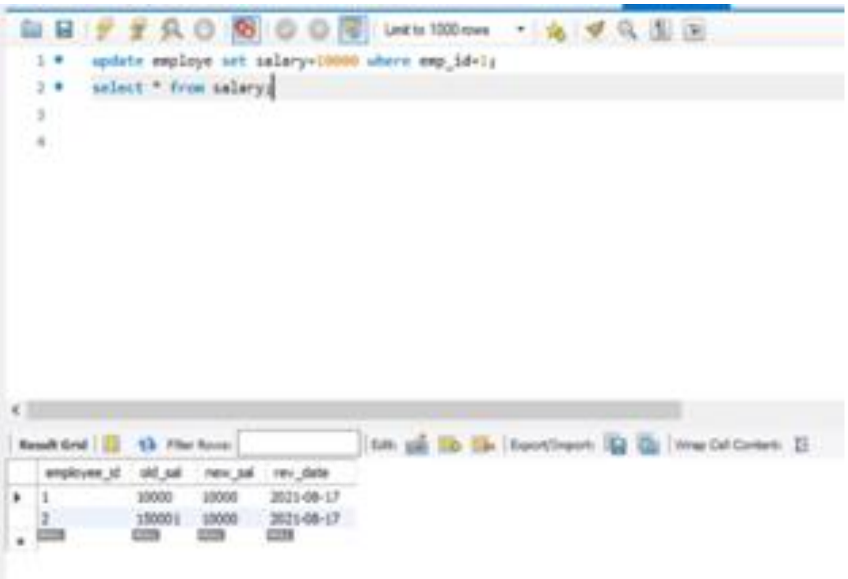
```
CREATE TABLE `salary` (
  `employee_id` int(11) NOT NULL,
  `old_sal` int(11) DEFAULT NULL,
  `new_sal` int(11) DEFAULT NULL,
  `rev_date` date DEFAULT NULL,
  PRIMARY KEY (`employee_id`)
);
```

sql>

```
CREATE DEFINER=`root`@`localhost` TRIGGER
`db1`.`personal_updations_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 employe set salary=23569 where emp_id=1;
select * from salary;
```



```
update employe set salary=10000 where emp_id=1;
select * from salary;
```

employee_id	old_sal	new_sal	rev_date
1	10000	10000	2021-08-17
2	150001	10000	2021-08-17
NULL	NULL	NULL	NULL

2) Create a Trigger for employe table it will update another table personal_updationswhile 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_updations` (
  `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`)
);
```

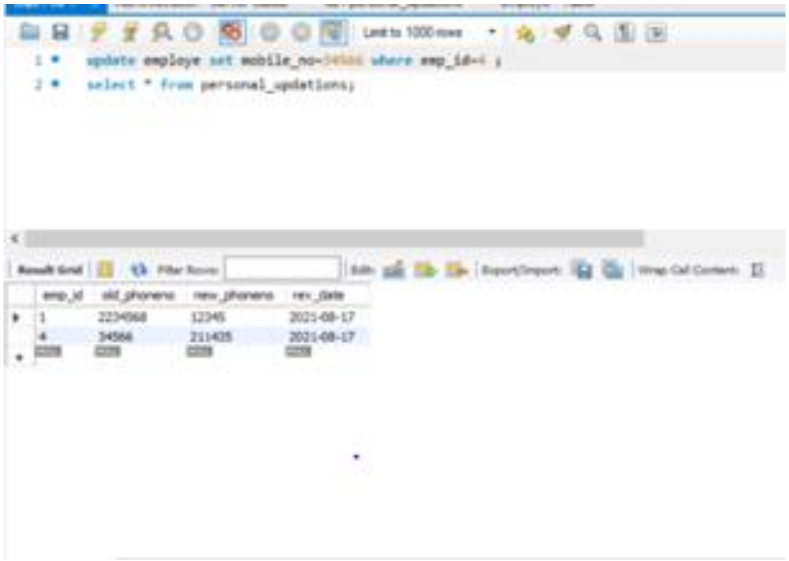
sql>

```
CREATE DEFINER=`root`@`localhost` TRIGGER
`db1`.`personal_updations_AFTER_UPDATE`
AFTER UPDATE ON `employe`
FOR EACH ROW
BEGIN
if(new.mobile_no != old.mobile_no)
 then
 INSERT INTO personal_updations (emp_id,old_phoneno,new_phoneno,rev_date) values
(new.emp_id,new.mobile_no,old.mobile_no,sysdate());
END if;
end;
```

sql>

```
update employe set mobile_no=34566 where emp_id=4 ;

select * from personal_updations;
```



```
update employe set mobile_no=34566 where emp_id=4 ;
select * from personal_updations;
```

emp_id	old_phoneno	new_phoneno	rev_date
1	2234568	12345	2021-08-17
4	34566	211435	2021-08-17
NULL	NULL	NULL	NULL

3) 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_updations` (
  `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`)
);
```

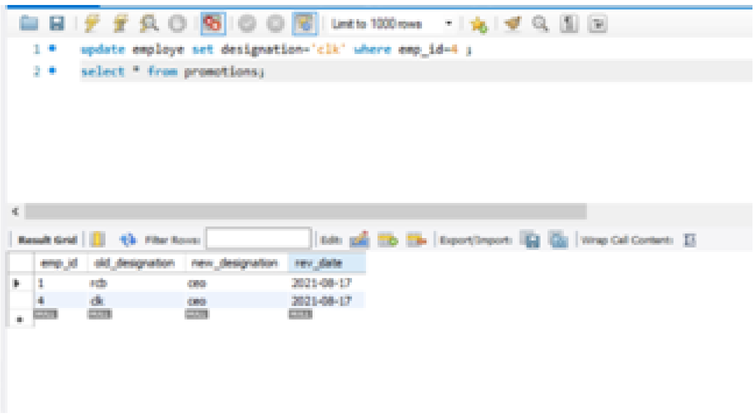
sql>

```
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 employe set designation='clk' where emp_id=4 ;

select * from promotions;
```



```
update employe set designation='clk' where emp_id=4 ;
select * from promotions;
```

emp_id	old_designation	new_designation	rev_date
1	rcb	ceo	2021-08-17
4	clk	ceo	2021-08-17
NULL	NULL	NULL	NULL