***TRIGGERS AND ASSERTIONS***

**Triggers:-**

1) Create a trigger to insert before the blood bank manager's salary=50000 if its salary is taken as null while inserting.

mysql> select \* from blood\_bank\_manager;

+--------+----------+--------+------------+------+--------+

| emp\_id | phone | name | address | bno | salary |

+--------+----------+--------+------------+------+--------+

| 12 | 23456780 | xyza | andheri | 1 | 50000 |

| 1211 | 23256780 | yzab | andheri | 3 | 60000 |

| 1232 | 23556780 | x=yza | vile parle | 4 | 75000 |

| 12221 | 23336780 | xaayza | andheri | 5 | 75000 |

| 12222 | 23156780 | yza | malad | 2 | 75000 |

+--------+----------+--------+------------+------+--------+

5 rows in set (0.00 sec)

mysql> delimiter //

mysql> create trigger salcheck

-> before insert on blood\_bank\_manager

-> FOR EACH ROW

-> IF NEW.salary is null

-> THEN

-> SET NEW.salary = 50000;

-> END IF;

-> //

Query OK, 0 rows affected (0.08 sec)

mysql> insert into blood\_bank\_manager

-> values(15,2222222,"rohni","andheri",1,null);

Query OK, 1 row affected (0.02 sec)

mysql> select \* from blood\_bank\_manager;

+--------+----------+--------+------------+------+--------+

| emp\_id | phone | name | address | bno | salary |

+--------+----------+--------+------------+------+--------+

| 12 | 23456780 | xyza | andheri | 1 | 50000 |

| 15 | 2222222 | rohni | andheri | 1 | 50000 |

| 1211 | 23256780 | yzab | andheri | 3 | 60000 |

| 1232 | 23556780 | x=yza | vile parle | 4 | 75000 |

| 12221 | 23336780 | xaayza | andheri | 5 | 75000 |

| 12222 | 23156780 | yza | malad | 2 | 75000 |

+--------+----------+--------+------------+------+--------+

6 rows in set (0.00 sec)

2) Create a trigger to insert values into the backup table of the blood bank manager after inserting it into the blood bank manager.

mysql> select \* from blood\_bank\_manager\_bkp;

+--------+------+--------+

| emp\_id | bno | salary |

+--------+------+--------+

| 12 | 1 | 50000 |

| 15 | 1 | 50000 |

| 1211 | 3 | 60000 |

| 1232 | 4 | 75000 |

| 12221 | 5 | 75000 |

| 12222 | 2 | 75000 |

+--------+------+--------+

6 rows in set (0.00 sec)

mysql> delimiter //

mysql> create trigger bkpcheck1

-> after insert on blood\_bank\_manager

-> FOR EACH ROW

-> insert into blood\_bank\_manager\_bkp(emp\_id,salary,bno) values

-> (NEW.emp\_id, new.salary,new.bno);

-> //

Query OK, 0 rows affected (0.06 sec)

mysql> insert into blood\_bank\_manager

-> values(17,22222222,"mohit","andheri",4,40000);

Query OK, 1 row affected (0.02 sec)

mysql> select \* from blood\_bank\_manager\_bkp;

+--------+------+--------+

| emp\_id | bno | salary |

+--------+------+--------+

| 12 | 1 | 50000 |

| 15 | 1 | 50000 |

| 17 | 4 | 40000 |

| 1211 | 3 | 60000 |

| 1232 | 4 | 75000 |

| 12221 | 5 | 75000 |

| 12222 | 2 | 75000 |

+--------+------+--------+

7 rows in set (0.00 sec)

3) Create a trigger that eets bno=1 if it is null before updation on receiptonist.

mysql> select \* from receiptonist;

+-----------+----------+--------+------+------+--------+

| address | phone | emp\_id | name | bno | salary |

+-----------+----------+--------+------+------+--------+

| andheri | 23451789 | 1000 | aa | 5 | 10000 |

| andheri | 23456789 | 1222 | abc | NULL | 20000 |

| mira road | 23456787 | 1224 | b | 3 | 60000 |

| kandivali | 23436789 | 1244 | c | 4 | 20000 |

| andheri | 23456766 | 1245 | a | 2 | 20000 |

+-----------+----------+--------+------+------+--------+

5 rows in set (0.00 sec)

mysql> delimiter //

mysql> create trigger employeetrig

-> before update on receiptonist

-> for each row

-> if new.bno is null then

-> set new.bno= 1;

-> end if;

-> //

Query OK, 0 rows affected (0.06 sec)

mysql> update receiptonist

-> set name="asha"

-> where emp\_id=1222;

Query OK, 1 row affected (0.09 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from receiptonist;

+-----------+----------+--------+------+------+--------+

| address | phone | emp\_id | name | bno | salary |

+-----------+----------+--------+------+------+--------+

| andheri | 23451789 | 1000 | aa | 5 | 10000 |

| andheri | 23456789 | 1222 | asha | 1 | 20000 |

| mira road | 23456787 | 1224 | b | 3 | 60000 |

| kandivali | 23436789 | 1244 | c | 4 | 20000 |

| andheri | 23456766 | 1245 | a | 2 | 20000 |

+-----------+----------+--------+------+------+--------+

5 rows in set (0.00 sec)

4) Drop the trigger employeetrig.

mysql> drop trigger employeetrig;

Query OK, 0 rows affected (0.03 sec)