

Trigger assignment:

```
Create table mainData(
    data_id int not null auto_increment,
    position varchar(30),
    name varchar(30),
    year varchar(2),
    primary key (data_id)
);
Create table TEData(
    data_id int,
    position varchar(30),
    name varchar(30)
);
Create table BEData(
    data_id int,
    position varchar(30),
    name varchar(30)
);
Create table backupData(
    backup_id int not null auto_increment,
    data_id int,
    position varchar(30),
    name varchar(30),
    year varchar(2),
    action_type varchar(10),
    Action_time TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    primary key (backup_id)
);
INSERT INTO mainData (position, name, year)
VALUES
('Tech Head', 'Manas Gawai', 'TE'),
('Marketing Head', 'Pratik Chavan', 'TE'),
('Magazine Secretary', 'Amulya Agarwal', 'BE');
```

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```
Create trigger before_update_mainData
BEFORE UPDATE ON mainData
FOR EACH ROW
BEGIN
    INSERT INTO backupData (data_id, position, name, year, action_type)
    VALUES (OLD.data_id, old.position, old.name, old.year,'UPDATE');
END $$
```

```
Create trigger before_delete_mainData
BEFORE DELETE ON mainData
FOR EACH ROW
BEGIN
INSERT INTO backupData (data_id, position, name, year, action_type)
VALUES (OLD.data_id, old.position, old.name, old.year, 'DELETE');
END $$
```

```
Create trigger after_insert_mainData
AFTER INSERT ON mainData
For each row
Begin
If new.year = 'TE' then
Insert into TEData values(new.data_id, new.position, new.name);
Elseif new.year = 'BE' then
Insert into BEData values(new.data_id, new.position, new.name);
End if;
End $$
```

```
Create trigger after_delete_mainData
AFTER DELETE ON mainData
For each row
Begin
If old.year = 'TE' then
Delete from TEData where data_id = old.data_id;
Elseif old.year = 'BE' then
Delete from BEData where data_id = old.data_id;
End if;
End $$
```

```
Create trigger after_update_mainData
AFTER UPDATE ON mainData
For each row
Begin
If old.year = 'TE' then
Delete from TEData where data_id = old.data_id;
Elseif old.year = 'BE' then
Delete from BEData where data_id = old.data_id;
End if;
If new.year = 'TE' then
Insert into TEData values(new.data_id, new.position, new.name);
Elseif new.year = 'BE' then
Insert into BEData values(new.data_id, new.position, new.name);
End if;
```

```
End $$  
Update mainData  
Set year='SY' and name='Manas Gawali' where name='Manas Gawai';  
  
INSERT INTO mainData (position, name, year)  
VALUES  
('PRO', 'Trishit Guin', 'TE'),  
('Joint Secretary', 'Kshitij Dhake', 'BE');
```