

## TRIGGERS

```

/*****
/*Create a customer log table to store changes */
*****/

CREATE TABLE amazon.Customer_Log
(
    Id INT Primary Key identity(1,1),
    CustomerId INT,
    logTimeStamp datetime,
    TriggerType char(20),
    UpdatedBy varchar(100),
    UsernameOld nvarchar(50),
    UsernameNew nvarchar(50),
    FirstNameOld nvarchar(50),
    FirstNameNew nvarchar(50),
    LastNameOld nvarchar(50),
    LastNameNew nvarchar(50),
    PhoneNumberOld nvarchar(15),
    PhoneNumberNew nvarchar(15),
    emailOld varchar(100),
    emailNew varchar(100)
)

/*****
/*Create a trigger for INSERTING into customer table*/
*****Handle multiple rows inserted at once*****
*****/

CREATE TRIGGER amazon.customerInsertTrigger ON amazon.customer
FOR INSERT
AS
BEGIN
    INSERT INTO Amazon.Customer_Log
        (logTimeStamp,TriggerType, UpdatedBy, UsernameOld, FirstnameOld, LastNameOld, PhoneNumberOld, emailOld,
        CustomerId, UsernameNew, FirstnameNew, LastNameNew, PhoneNumberNew, emailNew)
    SELECT
        getdate(),'Insert Trigger', CURRENT_USER, NULL, NULL, NULL, NULL, NULL,
        i.Id, i.userName, i.firstName, i.lastName, i.phoneNumber, i.email
    FROM
        inserted i;
END
GO
drop trigger amazon.customerInsertTrigger
/*****
/*Test insert trigger by inserting values into customer table*/
*****/

INSERT INTO amazon.Customer(Username,FirstName,LastName,PhoneNumber,Email)
VALUES
    ('Johnny.Smith', 'Johnny', 'Smith', '180294585', 'Johnny.Smith@email.com'),
    ('Alex.Thayn', 'Alex', 'Thayn', '1384857483', 'Alex.Thayn@email.com'),
    ('Bob.Bill', 'Bob', 'Bill', '1596789654', 'Bob.Bill@email.com'),
    ('Michelina.Keough', 'Michelina', 'Keough', '8264143861', 'Michelina.Keough@email.com'),
    ('Helene.Ovellette', 'Helene', 'Ovellette', '5389504932', 'Helene.Ovellette@email.com'),
    ('Ulrike.Rudolph', 'Ulrike', 'Rudolph', '9502412052', 'Ulrike.Rudolph@email.com'),
    ('Otelia.Cobian', 'Otelia', 'Cobian', '5027090527', 'Otelia.Cobian@email.com'),
    ('Margrett.Mcmunn', 'Margrett', 'Mcmunn', '4237424084', 'Margrett.Mcmunn@email.com'),
    ('Miki.Lopp', 'Miki', 'Lopp', '8440172605', 'Miki.Lopp@email.com'),
    ('Shanna.Bracco', 'Shanna', 'Bracco', '4210431235', 'Shanna.Bracco@email.com'),
    ('Maye.Martello', 'Maye', 'Martello', '1347486826', 'Maye.Martello@email.com'),
    ('Mariella.Way', 'Mariella', 'Way', '1062520143', 'Mariella.Way@email.com'),
    ('Jacob.Spearman', 'Jacob', 'Spearman', '1531514911', 'Jacob.Spearman@email.com'),
    ('Granville.Dampier', 'Granville', 'Dampier', '6150003549', 'Granville.Dampier@email.com'),
    ('Tonie.Phou', 'Tonie', 'Phou', '1817669299', 'Tonie.Phou@email.com'),
    ('Marguerite.Goodwyn', 'Marguerite', 'Goodwyn', '5191543465', 'Marguerite.Goodwyn@email.com'),
    ('Jenny.Wolk', 'Jenny', 'Wolk', '8003218721', 'Jenny.Wolk@email.com'),
    ('Penny.Weiland', 'Penny', 'Weiland', '2130353349', 'Penny.Weiland@email.com'),
    ('Yen.Cheeseman', 'Yen', 'Cheeseman', '3256360976', 'Yen.Cheeseman@email.com'),
    ('Clement.Cashin', 'Clement', 'Cashin', '2403483027', 'Clement.Cashin@email.com'),
    ('Gidget.Nasser', 'Gidget', 'Nasser', '6186551641', 'Gidget.Nasser@email.com'),
    ('Melita.Tunstall', 'Melita', 'Tunstall', '3471412898', 'Melita.Tunstall@email.com');

INSERT INTO amazon.Customer(Username,FirstName,LastName,PhoneNumber,Email)
VALUES
    ('Rima.Moller', 'Rima', 'Moller', '4456069224', 'Rima.Moller@email.com');

```

```

/*****View the INSERTS into the log*****/
SELECT * FROM amazon.Customer_Log
WHERE TriggerType = 'Insert Trigger';

```

## After inserting values

(22 rows affected)

(22 rows affected)

(1 row affected)

(1 row affected)

	Id	CustomerId	logTimeStamp	TriggerType	UpdatedBy	UsernameOld	UsernameNew	FirstNameOld	FirstNameNew	LastNameOld	LastNameNew	PhoneNumberOld	PhoneNumberNew	emailOld	emailNew
1	1	10116	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Melita.Tunstall	NULL	Melita	NULL	Tunstall	NULL	3471412898	NULL	Melita.Tunstall@email.com
2	2	10115	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Gidget.Nasser	NULL	Gidget	NULL	Nasser	NULL	6186551641	NULL	Gidget.Nasser@email.com
3	3	10114	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Clement.Cashin	NULL	Clement	NULL	Cashin	NULL	2403483027	NULL	Clement.Cashin@email.com
4	4	10113	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Yen.Cheeseman	NULL	Yen	NULL	Cheeseman	NULL	3256360976	NULL	Yen.Cheeseman@email.com
5	5	10112	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Penny.Weiland	NULL	Penny	NULL	Weiland	NULL	2130353349	NULL	Penny.Weiland@email.com
6	6	10111	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Jenny.Wolk	NULL	Jenny	NULL	Wolk	NULL	8003218721	NULL	Jenny.Wolk@email.com
7	7	10110	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Marguerite.Goodwyn	NULL	Marguerite	NULL	Goodwyn	NULL	5191543465	NULL	Marguerite.Goodwyn@email.com
8	8	10109	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Tonie.Phou	NULL	Tonie	NULL	Phou	NULL	1817669299	NULL	Tonie.Phou@email.com
9	9	10108	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Granville.Dampier	NULL	Granville	NULL	Dampier	NULL	6150003549	NULL	Granville.Dampier@email.com
10	10	10107	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Jacob.Speaman	NULL	Jacob	NULL	Speaman	NULL	1531514911	NULL	Jacob.Speaman@email.com
11	11	10106	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Mariella.Way	NULL	Mariella	NULL	Way	NULL	1062520143	NULL	Mariella.Way@email.com
12	12	10105	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Maye.Martello	NULL	Maye	NULL	Martello	NULL	1347486826	NULL	Maye.Martello@email.com
13	13	10104	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Shanna.Bracco	NULL	Shanna	NULL	Bracco	NULL	4210431235	NULL	Shanna.Bracco@email.com
14	14	10103	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Miki.Lopp	NULL	Miki	NULL	Lopp	NULL	8440172605	NULL	Miki.Lopp@email.com
15	15	10102	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Margrett.Mcmunn	NULL	Margrett	NULL	Mcmunn	NULL	4237424084	NULL	Margrett.Mcmunn@email.com
16	16	10101	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Otelia.Cobian	NULL	Otelia	NULL	Cobian	NULL	5027090527	NULL	Otelia.Cobian@email.com
17	17	10100	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Ulrike.Rudolph	NULL	Ulrike	NULL	Rudolph	NULL	9502412052	NULL	Ulrike.Rudolph@email.com
18	18	10099	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Helene.Ovellette	NULL	Helene	NULL	Ovellette	NULL	5389504932	NULL	Helene.Ovellette@email.com
19	19	10098	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Micheline.Keough	NULL	Micheline	NULL	Keough	NULL	8264143861	NULL	Micheline.Keough@email.com
20	20	10097	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Bob.Bill	NULL	Bob	NULL	Bill	NULL	1596789654	NULL	Bob.Bill@email.com
21	21	10096	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Alex.Thayn	NULL	Alex	NULL	Thayn	NULL	1384857483	NULL	Alex.Thayn@email.com
22	22	10095	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Johnny.Smith	NULL	Johnny	NULL	Smith	NULL	180294585	NULL	Johnny.Smith@email.com
23	23	10117	2017-11-06 14:03:41.567	Insert Trigger	Alex	NULL	Rima.Moller	NULL	Rima	NULL	Moller	NULL	4456069224	NULL	Rima.Moller@email.com

```

/*****
/*Create a trigger for UPDATING the customer table*/
*****/
CREATE TRIGGER amazon.customerUpdateTrigger ON amazon.customer
FOR UPDATE
AS
BEGIN
    INSERT INTO Amazon.Customer_Log
        (logTimeStamp,TriggerType, UpdatedBy, UsernameOld, FirstNameOld, LastNameOld, PhoneNumberOld, emailOld,
        CustomerId, UsernameNew, FirstNameNew, LastNameNew, PhoneNumberNew, emailNew)
    SELECT
        getdate(),'Insert Trigger', CURRENT_USER, d.username,d.firstName, d.lastName, d.phoneNumber, d.email,
        i.Id, i.userName, i.firstName, i.lastName, i.phoneNumber, i.email
    FROM
        inserted i INNER JOIN deleted d ON (i.id = d.id)
END

/*****
/*Test Update trigger by updating values in the customer table*/
*****/
UPDATE amazon.Customer
SET
    firstName = 'Alfred', username = 'alfred', email = 'alfredsEmail@email.com'
WHERE
    firstName = 'Yen'

UPDATE amazon.Customer
SET
    username = 'Jennifer', phonenumber = '1813459305', email = 'jennifer@email.com'
WHERE
    firstName = 'Jenny'

UPDATE amazon.Customer
SET
    lastName = 'Zaveri', username = 'MZaveri', phonenumber = '8788788788'
WHERE
    firstName = 'Miki'

/*****View the UPDATES in the log*****/
SELECT * FROM amazon.Customer_Log
WHERE triggerType = 'Update Trigger';

```

	Id	CustomerId	logTimeStamp	TriggerType	UpdatedBy	UsernameOld	UsernameNew	FirstNameOld	FirstNameNew	LastNameOld	LastNameNew	PhoneNumberOld	PhoneNumberNew	emailOld	emailNew
1	24	10113	2017-11-06 14:03:46.427	Update Trigger	Alex	Yen.Cheeseman	alfred	Yen	Alfred	Cheeseman	Cheeseman	3256360976	3256360976	Yen.Cheeseman@email.com	alfredsEmail@email.com
2	25	10091	2017-11-06 14:03:46.427	Update Trigger	Alex	Yen.Cheeseman	alfred	Yen	Alfred	Cheeseman	Cheeseman	3256360976	3256360976	Yen.Cheeseman@email.com	alfredsEmail@email.com
3	26	10111	2017-11-06 14:03:46.437	Update Trigger	Alex	Jenny.Wolk	Jennifer	Jenny	Jenny	Wolk	Wolk	8003218721	1813459305	Jenny.Wolk@email.com	jennifer@email.com
4	27	10089	2017-11-06 14:03:46.437	Update Trigger	Alex	Jenny.Wolk	Jennifer	Jenny	Jenny	Wolk	Wolk	8003218721	1813459305	Jenny.Wolk@email.com	jennifer@email.com
5	28	10065	2017-11-06 14:03:46.437	Update Trigger	Alex	Jennifer	Jennifer	Jenny	Jenny	Wolk	Wolk	1813459305	1813459305	jennifer@email.com	jennifer@email.com
6	29	7409	2017-11-06 14:03:46.437	Update Trigger	Alex	Jennifer	Jennifer	Jenny	Jenny	Dundeman	Dundeman	1813459305	1813459305	jennifer@email.com	jennifer@email.com
7	30	2409	2017-11-06 14:03:46.437	Update Trigger	Alex	Jennifer	Jennifer	Jenny	Jenny	Arko	Arko	1813459305	1813459305	jennifer@email.com	jennifer@email.com
8	31	10103	2017-11-06 14:03:46.443	Update Trigger	Alex	Miki Lopp	MZaveri	Miki	Miki	Lopp	Zaveri	8440172605	8788788788	Miki Lopp@email.com	Miki Lopp@email.com
9	32	10081	2017-11-06 14:03:46.443	Update Trigger	Alex	Miki Lopp	MZaveri	Miki	Miki	Lopp	Zaveri	8440172605	8788788788	Miki Lopp@email.com	Miki Lopp@email.com
10	33	10057	2017-11-06 14:03:46.443	Update Trigger	Alex	MZaveri	MZaveri	Miki	Miki	Zaveri	Zaveri	8788788788	8788788788	Miki Lopp@email.com	Miki Lopp@email.com
11	34	8754	2017-11-06 14:03:46.443	Update Trigger	Alex	MZaveri	MZaveri	Miki	Miki	Zaveri	Zaveri	8788788788	8788788788	Miki Emeru@email.com	Miki Emeru@email.com
12	35	3754	2017-11-06 14:03:46.443	Update Trigger	Alex	MZaveri	MZaveri	Miki	Miki	Zaveri	Zaveri	8788788788	8788788788	Miki Baldo@email.com	Miki Baldo@email.com

```

/*****
/*Create a trigger for DELETING from the customer table*/
/*****/
CREATE TRIGGER amazon.customerDeleteTrigger ON amazon.customer
FOR DELETE
AS
BEGIN
    INSERT INTO Amazon.Customer_Log
        (logTimeStamp,TriggerType, UpdatedBy, UsernameNew, FirstnameNew, LastNameNew, PhoneNumberNew, emailNew,
        CustomerId, UsernameOld, FirstnameOld, LastNameOld, PhoneNumberOld, emailOld)

    SELECT
        getdate(),'Insert Trigger', CURRENT_USER, NULL, NULL, NULL, NULL, NULL,
        d.Id, d.userName, d.firstName, d.lastName, d.phoneNumber, d.email

    FROM
        deleted d;

END
GO
/*****
/*Test Delete trigger by deleteing values from the customer table*/
/*****/
DELETE FROM amazon.customer
WHERE userName = 'Ulrike.Rudolph';

DELETE FROM amazon.Customer
WHERE LastName = 'Thayn';

DELETE FROM amazon.customer
WHERE email = 'Mariella.Way@email.com';

```

```

/*****View the deleted values in the log*****/

```

```

SELECT * FROM amazon.Customer_Log
WHERE triggerType = 'Delete Trigger';

```

	Id	CustomerId	logTimeStamp	TriggerType	UpdatedBy	UsernameOld	UsernameNew	FirstnameOld	FirstnameNew	LastNameOld	LastNameNew	PhoneNumberOld	PhoneNumberNew	emailOld	emailNew
1	36	10100	2017-11-06 14:03:55.583	Delete Trigger	Alex	Ulrike.Rudolph	NULL	Ulrike	NULL	Rudolph	NULL	9502412052	NULL	Ulrike.Rudolph@email.com	NULL
2	37	10078	2017-11-06 14:03:55.583	Delete Trigger	Alex	Ulrike.Rudolph	NULL	Ulrike	NULL	Rudolph	NULL	9502412052	NULL	Ulrike.Rudolph@email.com	NULL
3	38	10096	2017-11-06 14:03:55.700	Delete Trigger	Alex	Alex.Thayn	NULL	Alex	NULL	Thayn	NULL	1384857483	NULL	Alex.Thayn@email.com	NULL
4	39	10074	2017-11-06 14:03:55.700	Delete Trigger	Alex	Alex.Thayn	NULL	Alex	NULL	Thayn	NULL	1384857483	NULL	Alex.Thayn@email.com	NULL
5	40	10106	2017-11-06 14:03:55.817	Delete Trigger	Alex	Mariella.Way	NULL	Mariella	NULL	Way	NULL	1062520143	NULL	Mariella.Way@email.com	NULL
6	41	10084	2017-11-06 14:03:55.817	Delete Trigger	Alex	Mariella.Way	NULL	Mariella	NULL	Way	NULL	1062520143	NULL	Mariella.Way@email.com	NULL

```

/*****View the entire log*****/

```

```

SELECT * FROM amazon.Customer_Log;

```

	Id	CustomerId	logTimeStamp	TriggerType	UpdatedBy	UsernameOld	UsernameNew	FirstnameOld	FirstnameNew	LastNameOld	LastNameNew	PhoneNumberOld	PhoneNumberNew	emailOld	emailNew
1	1	10116	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Melita.Tunstall	NULL	Melita	NULL	Tunstall	NULL	3471412698	NULL	Melita.Tunstall@email.com
2	2	10115	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Gidget.Nasser	NULL	Gidget	NULL	Nasser	NULL	6186551641	NULL	Gidget.Nasser@email.com
3	3	10114	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Clement.Cashin	NULL	Clement	NULL	Cashin	NULL	2403483027	NULL	Clement.Cashin@email.com
4	4	10113	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Yen.Cheeseman	NULL	Yen	NULL	Cheeseman	NULL	3256360976	NULL	Yen.Cheeseman@email.com
5	5	10112	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Penny.Welland	NULL	Penny	NULL	Welland	NULL	2130353349	NULL	Penny.Welland@email.com
6	6	10111	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Jenny.Wolk	NULL	Jenny	NULL	Wolk	NULL	8003218721	NULL	Jenny.Wolk@email.com
7	7	10110	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Marguerite.Goodwyn	NULL	Marguerite	NULL	Goodwyn	NULL	5191543465	NULL	Marguerite.Goodwyn@email.com
8	8	10109	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Tonie.Phou	NULL	Tonie	NULL	Phou	NULL	1817669299	NULL	Tonie.Phou@email.com
9	9	10108	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Granville.Dampier	NULL	Granville	NULL	Dampier	NULL	6150003549	NULL	Granville.Dampier@email.com
10	10	10107	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Jacob.Speaman	NULL	Jacob	NULL	Speaman	NULL	1531514911	NULL	Jacob.Speaman@email.com
11	11	10106	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Mariella.Way	NULL	Mariella	NULL	Way	NULL	1062520143	NULL	Mariella.Way@email.com
12	12	10105	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Maye.Martello	NULL	Maye	NULL	Martello	NULL	1347486826	NULL	Maye.Martello@email.com
13	13	10104	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Shanna.Bracco	NULL	Shanna	NULL	Bracco	NULL	4210431235	NULL	Shanna.Bracco@email.com
14	14	10103	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Miki.Lopp	NULL	Miki	NULL	Lopp	NULL	8440172605	NULL	Miki.Lopp@email.com
15	15	10102	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Margrett.Momunn	NULL	Margrett	NULL	Momunn	NULL	4237424084	NULL	Margrett.Momunn@email.com
16	16	10101	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Otella.Cobian	NULL	Otella	NULL	Cobian	NULL	5027090527	NULL	Otella.Cobian@email.com
17	17	10100	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Ulrike.Rudolph	NULL	Ulrike	NULL	Rudolph	NULL	9502412052	NULL	Ulrike.Rudolph@email.com
18	18	10099	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Helene.Ovellette	NULL	Helene	NULL	Ovellette	NULL	5389504932	NULL	Helene.Ovellette@email.com
19	19	10098	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Micheline.Keough	NULL	Micheline	NULL	Keough	NULL	8264143861	NULL	Micheline.Keough@email.com
20	20	10097	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Bob.Bill	NULL	Bob	NULL	Bill	NULL	1596789654	NULL	Bob.Bill@email.com
21	21	10096	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Alex.Thayn	NULL	Alex	NULL	Thayn	NULL	1384857483	NULL	Alex.Thayn@email.com
22	22	10095	2017-11-06 14:03:41.563	Insert Trigger	Alex	NULL	Johnny.Smith	NULL	Johnny	NULL	Smith	NULL	180294585	NULL	Johnny.Smith@email.com
23	23	10117	2017-11-06 14:03:46.437	Update Trigger	Alex	NULL	Rima.Moller	NULL	Rima	NULL	Moller	NULL	4456069224	NULL	Rima.Moller@email.com
24	24	10113	2017-11-06 14:03:46.427	Update Trigger	Alex	Yen.Cheeseman	alfred	Yen	Alfred	Cheeseman	Cheeseman	3256360976	3256360976	Yen.Cheeseman@email.com	alfredsEmail@email.com
25	25	10091	2017-11-06 14:03:46.427	Update Trigger	Alex	Yen.Cheeseman	alfred	Yen	Alfred	Cheeseman	Cheeseman	3256360976	3256360976	Yen.Cheeseman@email.com	alfredsEmail@email.com
26	26	10111	2017-11-06 14:03:46.437	Update Trigger	Alex	Jenny.Wolk	Jennifer	Jenny	Jenny	Wolk	Wolk	8003218721	1813459305	Jenny.Wolk@email.com	jennifer@email.com
27	27	10089	2017-11-06 14:03:46.437	Update Trigger	Alex	Jenny.Wolk	Jennifer	Jenny	Jenny	Wolk	Wolk	8003218721	1813459305	Jenny.Wolk@email.com	jennifer@email.com
28	28	10065	2017-11-06 14:03:46.437	Update Trigger	Alex	Jennifer	Jennifer	Jenny	Jenny	Wolk	Wolk	1813459305	1813459305	Jennifer@email.com	jennifer@email.com
29	29	7409	2017-11-06 14:03:46.437	Update Trigger	Alex	Jennifer	Jennifer	Jenny	Jenny	Dundeman	Dundeman	1813459305	1813459305	Jennifer@email.com	jennifer@email.com
30	30	2409	2017-11-06 14:03:46.437	Update Trigger	Alex	Jennifer	Jennifer	Jenny	Jenny	Arko	Arko	1813459305	1813459305	Jennifer@email.com	jennifer@email.com
31	31	10103	2017-11-06 14:03:46.443	Update Trigger	Alex	Miki.Lopp	MZaveri	Miki	Miki	Lopp	Zaveri	8440172605	8788788788	Miki.Lopp@email.com	Miki.Lopp@email.com
32	32	10081	2017-11-06 14:03:46.443	Update Trigger	Alex	Miki.Lopp	MZaveri	Miki	Miki	Lopp	Zaveri	8440172605	8788788788	Miki.Lopp@email.com	Miki.Lopp@email.com
33	33	10057	2017-11-06 14:03:46.443	Update Trigger	Alex	MZaveri	MZaveri	Miki	Miki	Zaveri	Zaveri	8788788788	8788788788	Miki.Lopp@email.com	Miki.Lopp@email.com
34	34	8754	2017-11-06 14:03:46.443	Update Trigger	Alex	MZaveri	MZaveri	Miki	Miki	Zaveri	Zaveri	8788788788	8788788788	Miki.Emeru@email.com	Miki.Emeru@email.com
35	35	3754	2017-11-06 14:03:46.443	Update Trigger	Alex	MZaveri	MZaveri	Miki	Miki	Zaveri	Zaveri	8788788788	8788788788	Miki.Baldo@email.com	Miki.Baldo@email.com
36	36	10100	2017-11-06 14:03:55.583	Delete Trigger	Alex	Ulrike.Rudolph	NULL	Ulrike	NULL	Rudolph	NULL	9502412052	NULL	Ulrike.Rudolph@email.com	NULL
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39	39	10074	2017-11-06 14:03:55.700	Delete Trigger	Alex	Alex.Thayn	NULL	Alex	NULL	Thayn	NULL	1384857483	NULL	Alex.Thayn@email.com	NULL
40	40	10106	2017-11-06 14:03:55.817	Delete Trigger	Alex	Mariella.Way	NULL	Mariella	NULL	Way	NULL	1062520143	NULL	Mariella.Way@email.com	NULL
41	41	10084	2017-11-06 14:03:55.817	Delete Trigger	Alex	Mariella.Way	NULL	Mariella	NULL	Way	NULL	1062520143	NULL	Mariella.Way@email.com	NULL