

NORMALIZATION

```
-----NORMALIZATION
CREATE table dlithe.dbo.PS_1nf
(
    emp_id varchar(100),
    name varchar(100),
    mbl varchar(100)
);
insert into dlithe.dbo.PS_1nf values('01','ram','5374284,36782'),('02','sita','7674284,936782'),('03','sandy',
select * from dlithe.dbo.PS_1nf;
TRUNCATE table dlithe.dbo.PS_1nf;
```

Results 1 ×

select * from dlithe.dbo.PS_1nf values('01','ram','5374284,36782') Enter a SQL expression to filter results (use Ctrl+Space)

	emp_id	name	mbl
1	01	ram	5374284,36782
2	02	sita	7674284,936782
3	03	sandy	9374284,86782

1NF

Results 1 ×

select * from dlithe.dbo.PS_1nf; Enter a SQL exp

	emp_id	name	mbl
1	01	ram	5374284
2	02	sita	7674284
3	03	sandy	9374284

FOR 2NF

```
create table ps_stut
(
    teacher_id varchar(100),
    sub varchar(100),
    t_age int
)
insert into ps_stut values('t1','bio',30),('t2','chemistry',29),('t3','physics',40),('t4','english',35)
select * from ps_stut;
```

Results 1 ×

insert into ps_stut values('t1','bio',30),('t2','chemesi Enter a SQL expression to filter results (use Ctrl+Space)

	teacher_id	sub	t_age
1	t1	bio	30
2	t2	chemistry	29
3	t3	physics	40
4	t4	english	35
5	t1	bio	30
6	t2	chemistry	29
7	t3	physics	40
8	t4	english	35

2NF

Results 1 ×

```
select teacher_id,sub from ps_stut
```

	teacher_id	sub
1	t1	bio
2	t2	chemistry
3	t3	physics
4	t4	english
5	t1	bio
6	t2	chemistry
7	t3	physics
8	t4	english

Results 1 ×

```
select teacher_id,t_age from ps_stut
```

	teacher_id	t_age
1	t1	30
2	t2	29
3	t3	40
4	t4	35
5	t1	30
6	t2	29
7	t3	40
8	t4	35

FOR 3NF

```
create table ps_stuts
(
  s_id varchar(100),
  sub varchar(100),
  s_fee int
)

insert into ps_stuts values('s1','bio',2000),('s2','bio',2000),('s3','physics',4000),('t4','physics',4000)

select * from ps_stuts
```

Results 1 ×

```
select * from ps_stuts
```

	s_id	sub	s_fee
1	s1	bio	2,000
2	s2	bio	2,000
3	s3	physics	4,000
4	t4	physics	4,000

3NF

select s_id,sub from ps_stuts

Results 1 ×

select s_id,sub from ps_stuts Enter a SQL expression to filter results (use Ctrl+S)

	s_id	sub
1	s1	bio
2	s2	bio
3	s3	physics
4	t4	physics

select DISTINCT sub,s_fee from ps_stuts

Results 1 ×

select DISTINCT sub,s_fee from ps_stuts Enter a SQL expression to filter results

	sub	s_fee
1	bio	2,000
2	physics	4,000