1. Run TDengine

```
hameln@ubuntu:~$ taos
Welcome to the TDengine shell from Linux, Client Version:2.6.0.6
Copyright (c) 2022 by TAOS Data, Inc. All rights reserved.
```

2. Create database

```
taos> CREATE DATABASE Logistics KEEP 365 DAYS 7 BLOCKS 6 UPDATE 1;
Query OK, 0 of 0 row(s) in database (0.001645s)
```

3. Change database

```
taos> USE Logistics;
Database changed.
```

4. Create table named "tracking"

```
taos> CREATE TABLE tracking (ts TIMESTAMP, ID BINARY(50), location NCHAR(2
0), courier_ID BINARY(20));
Query OK, 0 of 0 row(s) in database (0.004751s)
```

5. Insert value

```
taos> INSERT INTO tracking VALUES ('2022-06-03 22:29:00','SF1358657998590','ShangHai','2003212');
Query OK, 1 of 1 row(s) in database (0.001000s)

taos> INSERT INTO tracking VALUES ('2022-06-04 13:30:00','SF1358657998590','NanJing','2003212');
Query OK, 1 of 1 row(s) in database (0.000609s)

taos> INSERT INTO tracking VALUES ('2022-06-06 07:46:00','SF1358657998590','HeFei','2003212');
Query OK, 1 of 1 row(s) in database (0.000552s)

taos> INSERT INTO tracking VALUES ('2022-06-07 14:14:00','SF1358657998590','WuHan','2003212');
Query OK, 1 of 1 row(s) in database (0.000378s)

taos> INSERT INTO tracking VALUES ('2022-06-08 11:42:00','SF1358657998590','ChongQing','2003212');
Query OK, 1 of 1 row(s) in database (0.000610s)

taos> INSERT INTO tracking VALUES ('2022-06-09 12:00:00','SF1358657998590','ChengDu','2003212');
Query OK, 1 of 1 row(s) in database (0.000559s)
```

```
taos> INSERT INTO tracking VALUES ('2022-07-01 06:42:00','YT6479538750643','TianJin','2984225');
Query OK, 1 of 1 row(s) in database (0.000539s)

taos> INSERT INTO tracking VALUES ('2022-07-02 14:32:00','YT6479538750643','ShiJiaZhuang','2984225');
Query OK, 1 of 1 row(s) in database (0.000357s)

taos> INSERT INTO tracking VALUES ('2022-07-02 23:40:00','YT6479538750643','TaiYuan','2984225');
Query OK, 1 of 1 row(s) in database (0.000529s)

taos> INSERT INTO tracking VALUES ('2022-07-03 20:17:00','YT6479538750643','XiAn','2984225');
Query OK, 1 of 1 row(s) in database (0.000549s)

taos> INSERT INTO tracking VALUES ('2022-07-04 17:46:00','YT6479538750643','ChengDu','2984225');
Query OK, 1 of 1 row(s) in database (0.000379s)
```

6. Display the table

ts	1 -	id	<u> </u>	location	- 1	courier_id	
2022-06-03 22:29:00.	000 SF13586	 7998590	ShangHai		200	3212	====
2022-06-04 13:30:00.	000 SF13586	7998590	NanJing		200	3212	i i
2022-06-06 07:46:00.	000 SF13586	7998590	HeFei		200	3212	i i
2022-06-07 14:14:00.	000 SF13586	7998590	WuHan		200	3212	i_
2022-06-08 11:42:00.	000 SF13586	7998590	ChongQing		200	3212	T i
2022-06-09 12:00:00.	000 SF13586	7998590	ChengDu		200	3212	i i
2022-07-01 06:42:00.	000 YT64795	38750643	TianJin		298	4225	i_
2022-07-02 14:32:00.	000 YT64795	38750643	ShiJiaZhuar	ng	298	4225	- i
2022-07-02 23:40:00.	000 YT64795	38750643	TaiYuan		298	4225	i i
2022-07-03 20:17:00.	000 YT64795	38750643	XiAn		298	4225	T i
2022-07-04 17:46:00.	000 YT64795	38750643	ChengDu		298	4225	T i
uery OK, 11 row(s) i		53s)					

7. Create table named couriers (This table shows the information of the couriers from one station(like the station in Shang Hai) who got a particular shipment at a particular time)

```
taos> CREATE TABLE couriers (ts TIMESTAMP, courier_id BINARY(50), courier_name BINARY(20), logistic_id BINARY(20)
, phone BINARY(11));
Query OK, 0 of 0 row(s) in database (0.002407s)
```

8. Insert value

```
taos> INSERT INTO couriers VALUES ('2022-06-03 22:27:00','2003212','WuGang','SF2354176543224','18173343623');
query OK, 1 of 1 row(s) in database (0.000636s)

taos> INSERT INTO couriers VALUES ('2022-06-03 22:27:30','2003212','WuGang','SF1968176452624','18173343623');
query OK, 1 of 1 row(s) in database (0.000517s)

taos> INSERT INTO couriers VALUES ('2022-06-03 22:28:','2003212','WuGang','SF1968184736444','18173343623');
query OK, 1 of 1 row(s) in database (0.000419s)

taos> INSERT INTO couriers VALUES ('2022-06-03 22:29:00','2003212','WuGang','SF1358657998590','18173343623');
query OK, 1 of 1 row(s) in database (0.000432s)

taos> INSERT INTO couriers VALUES ('2022-06-03 22:28:30','2113212','LiHua','SF1358639675590','13746574998');
query OK, 1 of 1 row(s) in database (0.000611s)

taos> INSERT INTO couriers VALUES ('2022-06-03 22:27:30','2113212','LiHua','SF1228733452590','13746574998');
query OK, 1 of 1 row(s) in database (0.000298s)
```

9. Display the table

ts		courier_id	courier_name	logistic_id	phone
 2022-06-03 22:27:0	0.000 2003	 212	======================================	 SF2354176543224	181733436
022-06-03 22:27:3	0.000 2113	212	LiHua	SF1228733452590	137465749
022-06-03 22:28:0	0.000 2003	212	WuGang	SF1968184736444	181733436
022-06-03 22:28:3	0.000 2113	212	LiHua	SF1358639675590	137465749
022-06-03 22:29:0	0.000 2003	212	WuGang	SF1358657998590	181733436
uery OK, 5 row(s)	in set (0.00	1432s)			

10. Display the data from tracking whose time is between 2022-06-07 00:00:00 and 2022-07-02 00:00:00

11. Display the data from tracking whose time is between 2022-06-07 00:00:00 and 2022-07-02 00:00:00 and company is ShunFeng,

12. Display the data whose time in these two tables are the same

