



广州地铁

Guangzhou Metro

An insight into the PostgreSQL database of Guangzhou Metro

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Guangzhou Metro

From Wikipedia, the free encyclopedia

Coordinates: 23.1089°N 113.2647°E

https://en.wikipedia.org/wiki/Guangzhou_Metro

https://en.wikipedia.org/wiki/List_of_Guangzhou_Metro_stations

<https://zh.wikipedia.org/wiki/%E5%B9%BF%E5%B7%9E%E5%9C%B0%E9%93%81%E5%85%AD%E5%8F%B7%E7%BA%BF%E5%A2%9E%E8%BB%4%AD%E5%88%97%E8%BD%A6>

<https://zh.wikipedia.org/wiki/%E5%BB%A3%E5%87%9E%E5%9C%80%E9%90%85%E4%88%80%E8%99%9F%E7%9A%E5%88%97%E8%BB%8A>



This PostgreSQL database is mainly based on the available information on the wikipedia page about Guangzhou Metro.

The **Guangzhou Metro** (simplified Chinese: 广州地铁; traditional Chinese: 廣州地鐵; pinyin: Guǎngzhōu Dìtiè; Jyutping: Gwong²zau¹ Dej⁶tit³ ([kwàŋ.jɔú.ti̪.tjè]) and [kʷɔŋ.jɔú.tɛi.tj̩.t]) is the rapid transit system of the city of Guangzhou in Guangdong Province of China. It is operated by the state-owned Guangzhou Metro Corporation and was the fourth metro system to be built in mainland China, after those of Beijing, Tianjin and Shanghai.

The earliest efforts to build an underground rapid transit system in Guangzhou date back to 1960. In the two decades that followed, the project was brought into the agenda five times, but ended up abandoned each time due to financial and technical difficulties.^{[11][12]} Preparation of what would lead to today's Guangzhou Metro did not start until the 1980s, and it was not until 1993 that construction of the first line, Line 1, officially began.^{[12][13]} Line 1 opened four years later in 1997 with five stations in operation.^[14]

As of 28 December 2019, Guangzhou Metro has 14 lines in operation, namely Line 1, Line 2, Line 3, Line 4, Line 5, Line 6, Line 7, Line 8, Line 9, Line 13, Line 14, Line 21, Guangfo Line, and Zhujiang New Town APM reaching both the urban core and surrounding suburbs. Guangzhou Metro connects Guangzhou and Foshan and is the first metro line between two cities in the country.^[15] Daily service hours start at 6:00 am and end at midnight, and daily ridership averages over 7 million.^{[16][17][18]} Having delivered 3.029 billion rides in 2018 (Guangzhou Metro) is the third busiest metro system in the world, after the metro systems of Beijing and Shanghai. Guangzhou Metro operates 271 stations,^{[1][note 1]} and 514.8 km (319.9 mi)^[1] of lines.

Guangzhou Metro



Overview

Owner	City of Guangzhou
Locale	Guangzhou Foshan
Transit type	Rapid transit
Number of lines	14
Number of stations	271 ^[1] [note 1]
Daily ridership	8.2 million (2018 Avg.) ^[2] 10.62 million (June 6th, 2019 Peak) ^[3]
Annual ridership	2.80255 billion (2017) ^[4]
Website	www.gzmtr.com

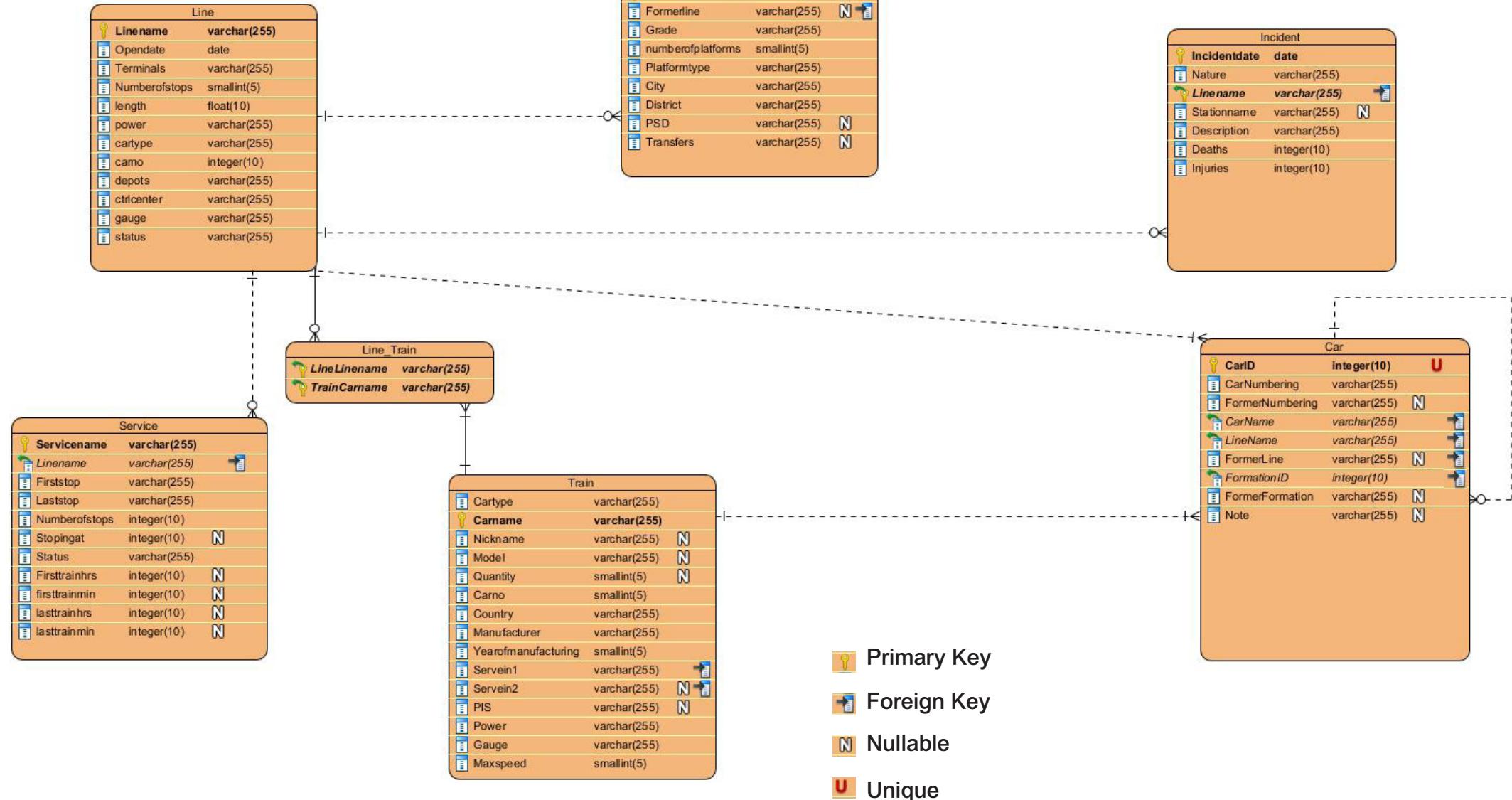
Operation

Began operation	28 June 1997; 22 years ago
Operator(s)	Guangzhou Metro Corporation
Number of vehicles	444 trains (as of 2017) ^[5]

Technical

System length	514.8 km (319.9 mi) ^[1]
Track gauge	1,435 mm (4 ft 8 1/2 in) standard gauge
Minimum radius of curvature	206 m (676 ft) ^[6]

Electrification	Refs ^{[7][8][9][10]}	Overhead lines	Third rail
		1 2 3 7 8 9 13 Guangfo	4 5 6 14 21
	650 V AC		APM



Line	
LineName	varchar(255)
Opdate	date
Terminals	varchar(255)
Numberofstops	smallint(5)
length	float(10)
power	varchar(255)
cartype	varchar(255)
camo	integer(10)
depots	varchar(255)
ctrlcenter	varchar(255)
gauge	varchar(255)
status	varchar(255)



Line Table

List all active lines operated by Guangzhou Metro.

```
select * from Line where status = 'Active';
```

linename	opdate	terminals	numberofstops	length	power	cartype	carno	depots	ctrlcenter	gauge	status
Line 1	1997-06-28	Xilang, Guangzhou East Railway Station	16	18.5	Overhead Line	A	6	Xilang	Gongyuanyqian	Standard Gauge	Active
Line 2	2002-12-29	Jiahewanggang, Guangzhou South Railway Station	24	31.8	Overhead Line	A	6	Jiahe,Dazhou	Gongyuanyqian	Standard Gauge	Active
Line 3	2005-12-26	Panyu Square, Airport N., Tianhe Coach Terminal	30	65.31	Overhead Line	B	6	Xiajiao,Jiahe	Dashi	Standard Gauge	Active
Line 4	2005-12-26	Nansha Passenger Port, Huangcun	23	56.2	Third Rail	L	4	Xinzao,Nansha	Xinzao	Standard Gauge	Active
Line 5	2009-12-28	Jiaokou, Wenchong	24	31.9	Third Rail	L	6	Yuzhu	Yuzhu	Standard Gauge	Active
Line 6	2013-12-28	Xunfenggang, Xiangxue	31	42	Third Rail	L	4	Xunfenggang,Luogang	Xunfenggang	Standard Gauge	Active
Line 7	2016-12-28	Guangzhou South Railway Station, Higher Education Mega Center S.	9	18.6	Overhead Line	B	6	Dazhou	Dashi	Standard Gauge	Active
Line 8	2002-12-29	Wanshengwei, Cultural Park	15	16	Overhead Line	A	6	Chisha	Gongyuanyqian	Standard Gauge	Active
Line 9	2017-12-28	Gaozeng, Fei'eling	11	20.1	Overhead Line	B	6	Qishan	Dashi	Standard Gauge	Active
Line 13	2017-12-28	Yuzhu, Xinsha	11	28.3	Overhead Line	A	8	Guanhu	Guanhu	Standard Gauge	Active
Line 14	2017-12-28	Jiahewanggang, Dongfeng, Xinhe, Zhenlong	22	76.3	Third Rail	B	6	Dengcun,Shihu,Zhenlong	Zhenlong	Standard Gauge	Active
Line 21	2018-12-28	Zengcheng Square, Yuancun	21	61.5	Third Rail	B	6	Zhenlong,Shuixi,Xiangling	Zhenlong	Standard Gauge	Active
Guangfo Line	2010-11-03	Xinchengdong, Lijiao	25	39.6	Overhead Line	B	4	Xianan	Xianan	Standard Gauge	Active
APM Line	2010-11-08	Canton Tower, Linhexi	9	4	Third Rail	APM	2	Chigang Pagoda	Chigang Pagoda	Rubber Tyres	Active
THZ1	2014-12-31	Canton Tower, Wanshengwei	11	7.7	Supercapacitor	Tram	4	Modiesha	Modiesha	Standard Gauge	Active

Station	
Stationname	varchar(255)
Formername	varchar(255) N
Operdate	date
Linenname	varchar(255) 
Stationnumber	smallint(5)
Formerline	varchar(255) N 
Grade	varchar(255)
numberofplatforms	smallint(5)
Platformtype	varchar(255)
City	varchar(255)
District	varchar(255)
PSD	varchar(255) N
Transfers	varchar(255) N

8号线（文化公园-滘心）尚未开通
Line 8 (Cultural Park - Jiaoxin) is under construction.



广州东站方向 →
Towards Guangzhou East Railway Station

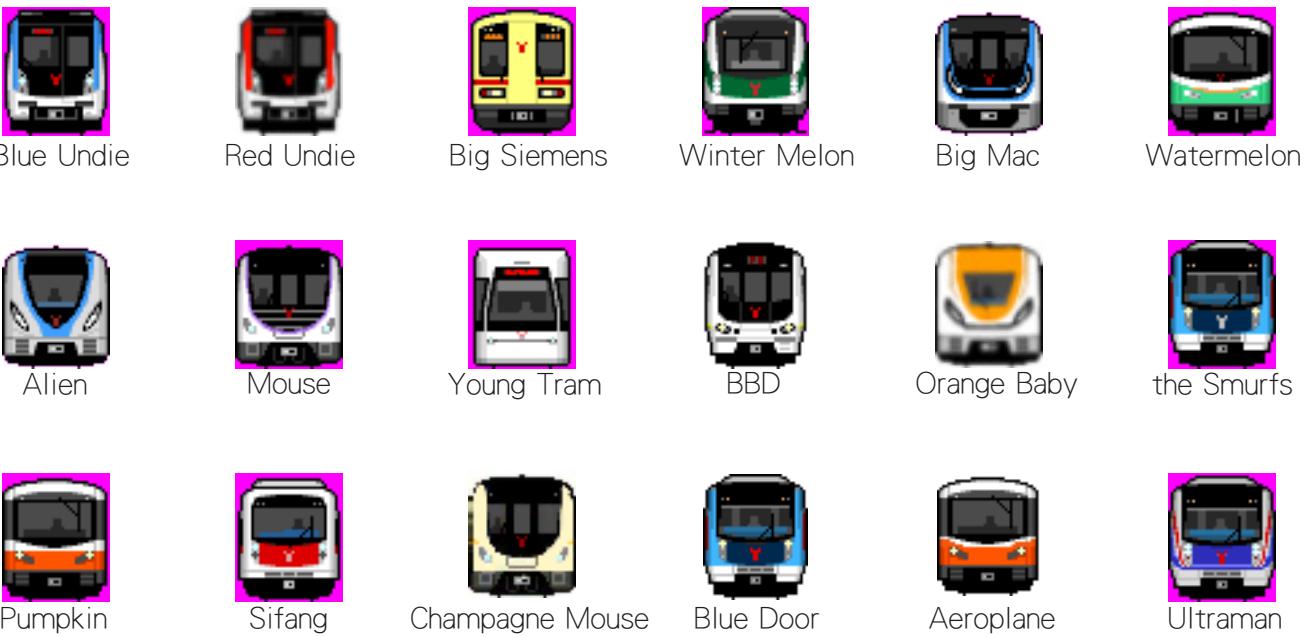
Station Table

List all stations on Line 1.

```
select * from station where linename = 'Line 1';
```

stationname	formername	opendate	linename	stationno	formerline	grade	noofplatforms	platformtype	city	district	psd	transfers
Xilang		1997-06-28	Line 1	1		At-grade	7	Side/dual-island hybrid	Guangzhou	Liwan	Half-height, Full-height	Guangfo Line
Kengkou		1997-06-28	Line 1	2		At-grade	2	Side	Guangzhou	Liwan	Half-height	
Huadiwan		1997-06-28	Line 1	3		Underground	2	Side	Guangzhou	Liwan	Half-height	
Fangcun		1997-06-28	Line 1	4		Underground	2	Island	Guangzhou	Liwan	Full-height	
Huangsha		1997-06-28	Line 1	5		Underground	4	Island	Guangzhou	Liwan	Full-height	
Changshou Lu		1999-06-28	Line 1	6		Underground	2	Island	Guangzhou	Liwan	Full-height	
Chen Clan Academy		1999-06-28	Line 1	7		Underground	2	Island	Guangzhou	Liwan	Full-height	
Ximenkou		1999-06-28	Line 1	8		Underground	2	Island	Guangzhou	Yuexiu	Full-height	
Gongyuanqian		1999-06-28	Line 1	9		Underground	8	Spanish solution	Guangzhou	Yuexiu	Full-height	Line 2
Peasant Movement Institute		1999-06-28	Line 1	10		Underground	2	Island	Guangzhou	Yuexiu	Full-height	
Martyrs' Park		1999-06-28	Line 1	11		Underground	2	Island	Guangzhou	Yuexiu	Full-height	
Dongshankou		1999-06-28	Line 1	12		Underground	4	Island	Guangzhou	Yuexiu	Full-height	Line 6
Yangji		1999-06-28	Line 1	13		Underground	4	Island	Guangzhou	Yuexiu	Full-height	Line 5
Tiyu Xilu		1999-06-28	Line 1	14		Underground	6	Island	Guangzhou	Tianhe	Full-height	Line 3
Tianhe Sports Center		1999-06-28	Line 1	15		Underground	2	Island	Guangzhou	Tianhe	Full-height	
Guangzhou East Railway Station		1999-06-28	Line 1	16		Underground	4	Island	Guangzhou	Tianhe	Full-height	Line 3, National Rail

Train	
Cartype	varchar(255)
Carname	varchar(255)
Nickname	varchar(255)
Model	varchar(255)
Quantity	smallint(5)
Camo	smallint(5)
Country	varchar(255)
Manufacturer	varchar(255)
Yearofmanufacturing	smallint(5)
Servein1	varchar(255)
Servein2	varchar(255)
PIS	varchar(255)
Power	varchar(255)
Gauge	varchar(255)
Maxspeed	smallint(5)

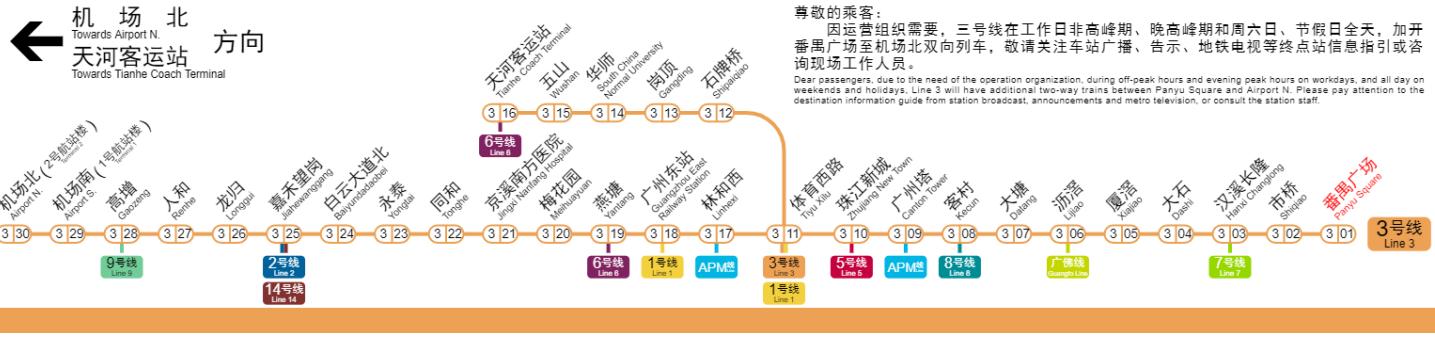


Train Table

```
select * from train;
```

cartype	carname	nickname	model	quantity	carno	manufacturer	country	yearofmanufacturing	servein1	servein2	pis	power	gauge	maxspeed
A	Line 1 Train	Big Siemens	A1	21	6	Adtranz-Siemens	Germany	1996	Line 1			Overhead Line	Standard Gauge	80
A	Line 2 Train	BBD	A2	26	6	Changchun Railway Vehicles-Bombardier	China	2002	Line 1	Line 8	LED	Overhead Line	Standard Gauge	90
A	Line 1&2 Extra	BBD	A3	8	6	Changchun Railway Vehicles-Bombardier	China	2006	Line 1		Flashing Lights	Overhead Line	Standard Gauge	90
A	Line 2&8 Train	Mouse	A4	27	6	CSR Zhuzhou Electric Locomotive	China	2009	Line 2		Flashing Lights	Overhead Line	Standard Gauge	80
A	Line 1&2&8 Extra	Voice Changing Mouse	A5	32	6	CSR Zhuzhou Electric Locomotive	China	2011	Line 2	Line 8	LED	Overhead Line	Standard Gauge	80
A	Line 8 Northern Extension Train	Champagne Mouse	A6	24	6	CRRC Zhuzhou Electric Locomotive	China	2018	Line 8		LED	Overhead Line	Standard Gauge	80
A	Line 13 Train	Big Mac	A7	17	8	CRRC Dalian Locomotive & Rolling Stock	China	2016	Line 13		LED	Overhead Line	Standard Gauge	100
B	Line 3 Train	Pumpkin	B1	40	3	Siemens-CSL Zhuzhou Electric Locomotive	China	2005	Line 3		LED	Overhead Line	Standard Gauge	135
B	Line 3 Northern Extension Train	Aeroplane	B2	25	6	CSR Zhuzhou Electric Locomotive	China	2009	Line 3		Flashing Lights	Overhead Line	Standard Gauge	135
B	Guangfo Metro Train	Red Undies, Blue Undies	B3	27	4	CNR Changchun Railway Vehicles	China	2009	Guangfo Line		Flashing Lights	Overhead Line	Standard Gauge	80
B	Line 3 Extra	Aeroplane	B4	26	6	CSR Zhuzhou Electric Locomotive	China	2011	Line 3		Flashing Lights, LED	Overhead Line	Standard Gauge	135
B	Line 7 Train	Winter Melon	B5	23	6	CRRC Zhuzhou Electric Locomotive	China	2015	Line 7		LED	Overhead Line	Standard Gauge	80
B	Guangfo Metro Phase 2 Train	Red Undies, Blue Undies	B6	6	4	CRRC Qingdao Sifang Locomotive & Rolling Stock	China	2015	Guangfo Line		Flashing Lights	Overhead Line	Standard Gauge	80
B	Line 9 Train	Watermelon	B6	18	6	CRRC Zhuzhou Electric Locomotive	China	2016	Line 9		LCD	Overhead Line	Standard Gauge	120
B	Line 14 Train	Orange Baby	B7	30	6	CRRC Zhuzhou Electric Locomotive	China	2017	Line 14		LED	Third Rail	Standard Gauge	120
B	Line 21 Train	Alien	B8	33	6	CRRC Zhuzhou Electric Locomotive	China	2016	Line 14	Line 21	LED	Third Rail	Standard Gauge	120
B	Guangfo Metro Extra	Red Undies, Blue Undies		18	4	CRRC Qingdao Sifang Locomotive & Rolling Stock	China	2019	Guangfo Line		LED	Overhead Line	Standard Gauge	80
L	Line 4 Train	Sifang	L1	30	4	CSR qingdao Sifang Locomotive & Rolling Stock	China	2005	Line 4		LED	Third Rail	Standard Gauge	90
L	Line 5 Train	the Smurfs	L2	30	6	CSR qingdao Sifang Locomotive & Rolling Stock	China	2008	Line 5		Flashing Lights	Third Rail	Standard Gauge	90
L	Line 6 Train	Ultraman	L3	51	4	CSR qingdao Sifang Locomotive & Rolling Stock	China	2011	Line 6		LED	Third Rail	Standard Gauge	90
L	Line 5 Extra	Blue Door	L4	32	6	CSR qingdao Sifang Locomotive & Rolling Stock	China	2011	Line 5		Flashing Lights	Third Rail	Standard Gauge	90
L	Line 4 Southern Extension Train	Sifang	L5	27	4	CRRC Qingdao Sifang Locomotive & Rolling Stock	China	2016	Line 4		LED	Third Rail	Standard Gauge	90
L	Line 6 Extra	Ultraman	L6	38	4	CRRC Guangdong	China	2019	Line 6		LCD	Third Rail	Standard Gauge	90
APM	APM Line Train		APM1	14	1	Bombardier	United States	2009	APM Line		LED, Flashing Lights	Third Rail	Rubber Tyres	60
Tram	CNDD8	Young Tram		7	4	CSR Zhuzhou Electric Locomotive-Guangzhou CSR Urban Rail Equipment	China	2013	THZ1		LED	Supercapacitor	Standard Gauge	70

Service	
Servicename	varchar(255)
Linename	varchar(255)
Firststop	varchar(255)
Laststop	varchar(255)
Numberofstops	integer(10)
Stopingat	integer(10)
Status	varchar(255)
Firsttrainhrs	integer(10)
firsttrainmin	integer(10)
lasttrainhrs	integer(10)
lasttrainmin	integer(10)



List all services operated by Line 3

Service Table

```
select * from service where linename = 'Line 3';
```

servicename	linename	firststop	laststop	numberofstops	stopingat	status	firsttrainhrs	firsttrainmin	lasttrainhrs	lasttrainmin
Line 3 Main Up	Line 3	Panyu Square	Airport N.	25	All Stations	Active		6	0	22
Line 3 Main Down	Line 3	Airport N.	Panyu Square	25	All Stations	Active		6	0	23
Line 3 Branch Up	Line 3	Panyu Square	Tianhe Coach Terminal	16	All Stations	Active		6	0	22
Line 3 Branch Down	Line 3	Tianhe Coach Terminal	Panyu Square	16	All Stations	Active		6	10	23
Line 3 Main Short Up	Line 3	Tiyu Xilu	Airport N.	15	All Stations	Weekdays Non-Peak and Evening Rush Hour, Weekend		6	0	23
Line 3 Main Short Down	Line 3	Airport N.	Tiyu Xilu	15	All Stations	Weekdays Non-Peak and Evening Rush Hour, Weekend		6	0	23
Line 3 Short 2 Up	Line 3	Tiyu Xilu	Tonghe	7	All Stations	Weekdays Morning Rush Hour				
Line 3 Short 2 Down	Line 3	Tonghe	Tiyu Xilu	7	All Stations	Weekdays Morning Rush Hour				
Line 3 Short 3 Up	Line 3	Dashi	Airport N.	22	All Stations	Weekdays Morning Rush Hour				
Line 3 Short 3 Down	Line 3	Airport N.	Dashi	22	All Stations	Weekdays Morning Rush Hour				
Line 3 Short 4	Line 3	Tianhe Coach Terminal	Dashi	13	All Stations	Weekdays Morning Rush Hour	8	18		
Line 3 Short 5	Line 3	Tonghe	Dashi	14	All Stations	Weekdays Morning Rush Hour				
Line 3 Short 6	Line 3	Longgui	Dashi	18	All Stations	Weekdays Morning Rush Hour				
Line 3 Short 7	Line 3	Jiahewanggang	Dashi	17	All Stations	Weekdays Morning Rush Hour				
Line 3 Short 8	Line 3	Dashi	Tianhe Coach Terminal	13	All Stations	Weekdays Morning and Evening Rush Hour				
Line 3 Short 9	Line 3	Xiajiao	Tianhe Coach Terminal	12	All Stations	Weekdays Morning and Evening Rush Hour				
Line 3 Short 10	Line 3	Kecun	Tianhe Coach Terminal	9	All Stations	Weekdays Morning and Evening Rush Hour				
Line 3 Short 11	Line 3	Tiyu Xilu	Panyu Square	11	All Stations	Weekdays Morning and Evening Rush Hour				
Line 3 Short 12	Line 3	Tiyu Xilu	Jiahewanggang	10	All Stations	Near End of Service				
Line 3 Short 13	Line 3	Panyu Square	Jiahewanggang	20	All Stations	Near End of Service				
Line 3 Short 14	Line 3	Linhexi	Airport N.	14	All Stations	Weekdays Evening Rush Hour				
Line 3 Short 15	Line 3	Guangzhou East Railway Station	Airport N.	13	All Stations	Weekdays Evening Rush Hour				

(22 rows)

Incident	
Incidentdate	date
	Nature varchar(255)
	Linename varchar(255) N
	Stationname varchar(255)
	Description varchar(255)
	Deaths integer(10)
	Injuries integer(10)



select * from incident;

Incident Table

incidentdate	nature	linename	stationname	description	deaths	injuries
2013-01-28	Construction	Line 6	Cultural Park	Road collapse due to improper detonate construction	0	0
2018-01-25	Construction	Line 21		Fire and collapse during TBM operation between Suyuan and Shuixi.	3	0
2019-12-01	Construction	Line 11	Shahe	Road collapses near metro construction site.	3	0
2013-05-29	Criminal Activity	Line 1	Gongyuqian	Mass panic due to a passenger carry flammable liquid onboard.	0	0
2008-02-27	Person on Track	Line 1	Martyr's Park	Passenger fell on to track when PSD is not yet operational.	1	0
2006-08-02	Construction	Line 3	Shipaiqiao	Tunnel collapse during exit construction.	1	2
2009-05-15	Construction	Line 3		Unknown gas leak during TBM operation between Renhe and Longgui.	3	0
2012-10-12	Criminal Activity	Line 3		Tunnel penetrated and trains damaged due to illegal drilling between Jiahewanggang and Longgui.	0	0
2013-10-02	Criminal Activity	Line 3	Baiyundadaobei	Tunnel penetrated due to illegal drilling.	0	0
2011-01-10	Criminal Activity	Line 5		Arson between Xiaobei and Guangzhou Railway Station	0	1
2014-03-04	Criminal Activity	Line 5		Mass panic due to passenger use pepper spray between Guangzhou Railway Station and Xicun.	0	4
2014-08-28	Criminal Activity	Line 5		Tunnel penetrated due to improper drilling between Zhongshanba and Xichang.	0	0
2007-10-05	Construction	Line 6	Ruyifang	Collapse during concourse construction.	0	0
2007-12-12	Construction	Line 6	Beijing Lu	Crane tumbled and damaged building.	0	0
2008-04-15	Construction	Line 6	Donghu	Explosion in TBM construction site.	1	7
2012-12-06	Construction	Line 6		Subsidence due to metro construction between Luogang and Xiangxue.	0	0
2009-01-19	Construction	Guangfo Line		Subsidence due to metro construction between Jihua Park and Tongji Lu	0	0
2009-04-23	Construction	Guangfo Line		Subsidence due to metro construction between Jushu and Xilang	0	0
2009-05-16	Construction	Guangfo Line		Subsidence due to metro construction between Jushu and Chao'an	0	0
2009-12-08	Construction	Guangfo Line	Nangui Lu	Collapse and gas leak during construction.	0	0
2018-08-11	Construction	Guangfo Line	Lijiao	Building damaged due to metro construction.	0	0
2001-02-14	Construction	Line 2	The 2nd Workers' Cultural Palace	Tunnel collapse due to metro construction.	1	0
2001-08-19	Construction	Line 2	Sanyuanli	Tunnel collapse due to metro construction.	1	0
2005-04-14	Person on Track	Line 1	Fangcun	Passenger fell on to track.	1	0
2005-09-09	Person on Track	Line 1	Changshou Lu	Passenger fell on to track.	1	0
2003-09-09	Person on Track	Line 1	Gongyuqian	Passenger fell on to track.	0	1
2017-05-06	Person on Track	Line 6	Ouzhuang	Passenger stuck in the platform gap.	0	1
2012-11-19	Equipment Malfunction	Line 8		Smoke and fire on train between Lujiang and Kecun due to short circuit on the overhead line.	0	4
2006-04-25	Construction	Line 5	Ouzhuang	Explosion during metro construction.	1	3
2004-04-01	Construction	Line 3	Lijiao	Subsidence due to metro construction, building damaged.	0	0
2013-09-02	Criminal Activity	Line 2	Dongxiaonan	Mass panic due to improper use of emergency door opener.	0	0
2009-11-24	Overcrowding	Line 3	Tianhe Coach Terminal	Stampede at escalator due to overcrowding.	0	0
2014-06-07	Other	Line 3	Meihuayuan	Mass panic and stampede on train.	0	6
2005-11-05	Construction	Line 4	Xinzao	Cable fell on to construction workers in tunnel.	2	1
2018-01-08	Construction	Line 14	Taiping	Crane tumbled and damaged elevated track.	0	0

(35 rows)

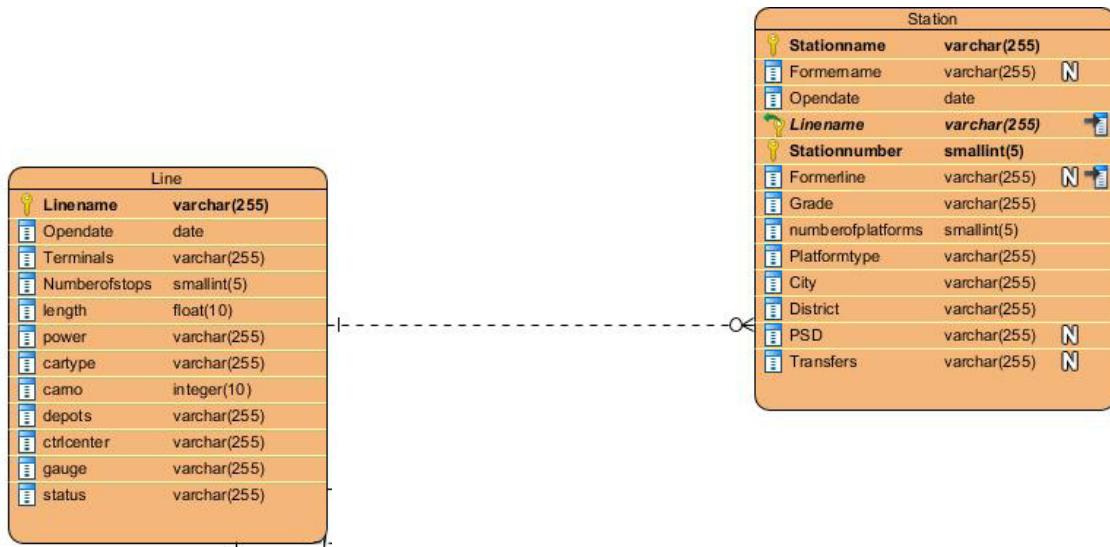
```
select * from car where linename = 'Line 6';
```

Car Table



Car

CarID	CarNumbering	FormerNumbering	CarName	LineName	FormerLine	FormationID	FormerFormation	Note
2880	06X001-06X002		Line 6 Train Line 6					
2881	06X003-06X004		Line 6 Train Line 6					
2882	06X005-06X006		Line 6 Train Line 6					
2883	06X007-06X008		Line 6 Train Line 6					
2884	06X009-06X010		Line 6 Train Line 6					
2885	06X011-06X012		Line 6 Train Line 6					
2886	06X013-06X014		Line 6 Train Line 6					
2906	06X053-06X054		Line 6 Train Line 6					
2907	06X055-06X056		Line 6 Train Line 6					Seat number reduced to increase capacity.
2908	06X057-06X058		Line 6 Train Line 6					Seat number reduced to increase capacity.
2909	06X059-06X060		Line 6 Train Line 6					Seat number reduced to increase capacity.
2910	06X061-06X062		Line 6 Train Line 6					Seat number reduced to increase capacity.
2911	06X063-06X064		Line 6 Train Line 6					Seat number reduced to increase capacity.
2912	06X065-06X066		Line 6 Train Line 6					Seat number reduced to increase capacity.
2913	06X067-06X068		Line 6 Train Line 6					Seat number reduced to increase capacity.
2914	06X069-06X070		Line 6 Train Line 6					Seat number reduced to increase capacity.
2915	06X071-07X072		Line 6 Train Line 6					Seat number reduced to increase capacity.
2916	06X073-06X074		Line 6 Train Line 6					Seat number reduced to increase capacity.
2917	06X075-06X076		Line 6 Train Line 6					Seat number reduced to increase capacity.
2918	06X077-06X078		Line 6 Train Line 6					Seat number reduced to increase capacity.
2919	06X079-06X080		Line 6 Train Line 6					Seat number reduced to increase capacity.
2920	06X081-06X082		Line 6 Train Line 6					Seat number reduced to increase capacity.
2921	06X083-06X084		Line 6 Train Line 6					Seat number reduced to increase capacity.
2922	06X085-06X086		Line 6 Train Line 6					Seat number reduced to increase capacity.
2923	06X087-06X088		Line 6 Train Line 6					Seat number reduced to increase capacity.
2924	06X089-06X090		Line 6 Train Line 6					Seat number reduced to increase capacity.
2925	06X091-06X092		Line 6 Train Line 6					Seat number reduced to increase capacity.
2926	06X093-06X094		Line 6 Train Line 6					Seat number reduced to increase capacity.
2927	06X095-06X096		Line 6 Train Line 6					Seat number reduced to increase capacity.
2928	06X097-06X098		Line 6 Train Line 6					Seat number reduced to increase capacity.
2929	06X099-06X100		Line 6 Train Line 6					Seat number reduced to increase capacity.
2930	06X101-06X102		Line 6 Train Line 6					Seat number reduced to increase capacity.
2931	06A001		Line 6 Train Line 6			2880		
2932	06A002		Line 6 Train Line 6			2880		
2933	06A003		Line 6 Train Line 6			2881		
2934	06A004		Line 6 Train Line 6			2881		
2935	06A005		Line 6 Train Line 6			2882		
2936	06A006		Line 6 Train Line 6			2882		
2937	06A007		Line 6 Train Line 6			2883		
2938	06A008		Line 6 Train Line 6			2883		
2939	06A009		Line 6 Train Line 6			2884		
2940	06A010		Line 6 Train Line 6			2884		
2941	06A011		Line 6 Train Line 6			2885		
2942	06A012		Line 6 Train Line 6			2885		
2943	06A013		Line 6 Train Line 6			2886		
2944	06A014		Line 6 Train Line 6			2886		
2945	06A015		Line 6 Train Line 6			2887		
2946	06A016		Line 6 Train Line 6			2887		
2947	06A017		Line 6 Train Line 6			2888		
2948	06A018		Line 6 Train Line 6			2888		



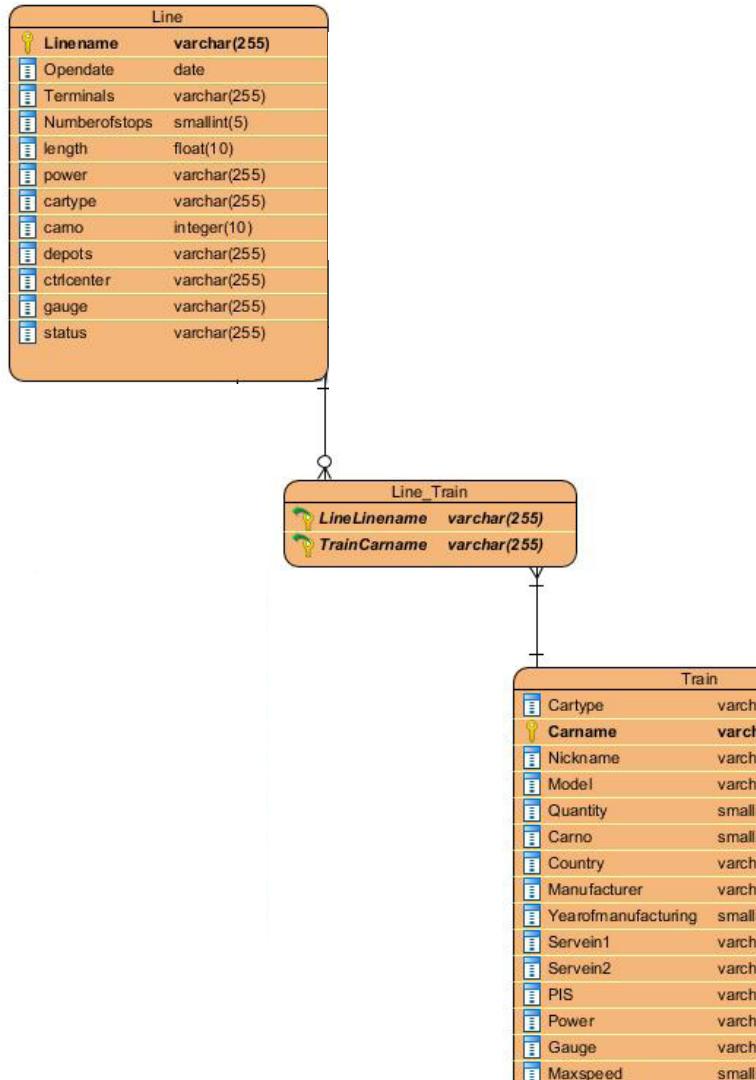
one to many relationship

PK

linename	opendate	terminals	numberofstops	length	power	cartype	carno	depots	ctrlcenter	gauge	status
Line 1	1997-06-28	Xilang, Guangzhou East Railway Station	16	18.5	Overhead Line	A	6	Xilang	Gongyuanqian	Standard Gauge	Active
Line 2	2002-12-29	Jiahewanggang, Guangzhou South Railway Station	24	31.8	Overhead Line	A	6	Jiahe,Dazhou	Gongyuanqian	Standard Gauge	Active
Line 3	2005-12-26	Panyu Square, Airport N., Tianhe Coach Terminal	30	65.31	Overhead Line	B	6	Xiajiao,Jiahe	Dashi	Standard Gauge	Active
Line 4	2005-12-26	Nansha Passenger Port, Huangcun	23	56.2	Third Rail	L	4	Xinzao,Nansha	Xinzao	Standard Gauge	Active
Line 5	2009-12-28	Jiaokou, Wenchong	24	31.9	Third Rail	L	6	Yuzhu	Yuzhu	Standard Gauge	Active
Line 6	2013-12-28	Xunfenggang, Xiangxue	31	42	Third Rail	L	4	Xunfenggang,Luogang	Xunfenggang	Standard Gauge	Active

PK & FK

stationname	formername	opendate	linename	stationno	formerline	grade	noofplatforms	platformtype	city	district	psd	transfers
Xilang		1997-06-28	Line 1	1		At-grade	7	Side/dual-island bybrid	Guangzhou	Liwan	Half-height, Full-height	Guangfo Line
Kengkou		1997-06-28	Line 1	2		At-grade	2	Side	Guangzhou	Liwan	Half-height	
Huadiwan		1997-06-28	Line 1	3		Underground	2	Side	Guangzhou	Liwan	Half-height	
Fangcun		1997-06-28	Line 1	4		Underground	2	Island	Guangzhou	Liwan	Full-height	
Huangsha		1997-06-28	Line 1	5		Underground	4	Island	Guangzhou	Liwan	Full-height	Line 6
Changshou Lu		1999-06-28	Line 1	6		Underground	2	Island	Guangzhou	Liwan	Full-height	
Chen Clan Academy		1999-06-28	Line 1	7		Underground	2	Island	Guangzhou	Liwan	Full-height	
Ximenkou		1999-06-28	Line 1	8		Underground	2	Island	Guangzhou	Yuexiu	Full-height	
Gongyuanqian		1999-06-28	Line 1	9		Underground	8	Spanish solution	Guangzhou	Yuexiu	Full-height	Line 2
Peasant Movement Institute		1999-06-28	Line 1	10		Underground	2	Island	Guangzhou	Yuexiu	Full-height	
Martyrs' Park		1999-06-28	Line 1	11		Underground	2	Island	Guangzhou	Yuexiu	Full-height	



many to many relationship

PK

linename	opendate	terminals	numberofsts
Line 1	1997-06-28	Xilang, Guangzhou East Railway Station	
Line 2	2002-12-29	Jiahewanggang, Guangzhou South Railway Station	
Line 3	2005-12-26	Panyu Square, Airport N., Tianhe Coach Terminal	
Line 4	2005-12-26	Nansha Passenger Port, Huangcun	
Line 5	2009-12-28	Jiaokou, Wenchong	
Line 6	2013-12-28	Xunfenggang, Xiangxue	
Line 7	2016-12-28	Guangzhou South Railway Station, Higher Education Mega Center S.	
Line 8	2002-12-29	Wanshengwei, Cultural Park	
Line 9	2017-12-28	Gaozeng, Fei'eling	
Line 13	2017-12-28	Yuzhu, Xinsha	
Line 14	2017-12-28	Jiahewanggang, Dongfeng, Xinhe, Zhenlong	
Line 21	2018-12-28	Zengcheng Square, Yuancun	
Guangfo Line	2018-11-03	Xinchengdong, Lijiao	
APM Line	2010-11-08	Canton Tower, Linhexi	
THZ1	2014-12-31	Canton Tower, Wanshengwei	
Old Line 2	2002-12-29	Sanyuanli, Wanshengwei	

FK

cartype	carname	nickname	model	quantity	carno	manufacturer	country	yearofmanufacturing	servein1	servein2	pis	power	gauge	maxspeed
A	Line 1 Train	B1g Siemens	A1	21	6	Adtranz-Siemens	Germany	1996	Line 1		Overhead Line	Standard Gauge	80	
A	Line 2 Train	BBD	A2	26	6	Changchun Railway Vehicles-Bombardier	China	2002	Line 1	Line 8	LED	Overhead Line	Standard Gauge	90
A	Line 1&2 Extra	BBD	A3	8	6	Changchun Railway Vehicles-Bombardier	China	2006	Line 1		Flashing Lights	Overhead Line	Standard Gauge	90
A	Line 2&8 Extra	Mouse	A4	27	6	CSR Zhuzhou Electric Locomotive	China	2009	Line 2		Flashing Lights	Overhead Line	Standard Gauge	80
A	Line 1&2&8 Extra	Voice Changing Mouse	A5	32	6	CSR Zhuzhou Electric Locomotive	China	2011	Line 2	Line 8	LED	Overhead Line	Standard Gauge	80
A	Line 8 Northern Extension Train	Champagne Mouse	A6	24	6	CRRC Zhuzhou Electric Locomotive	China	2018	Line 8		LED	Overhead Line	Standard Gauge	80
A	Line 13 Train	Big Mac	A7	17	8	CRRC Dalian Locomotive & Rolling Stock	China	2016	Line 13		LED	Overhead Line	Standard Gauge	100
B	Line 3 Train	Pumpkin	B1	40	3	Siemens-CSR Zhuzhou Electric Locomotive	China	2005	Line 3		LED	Overhead Line	Standard Gauge	135
B	Line 3 Northern Extension Train	Aeroplane	B2	25	6	CSR Zhuzhou Electric Locomotive	China	2009	Line 3		Flashing Lights	Overhead Line	Standard Gauge	135
B	Guangfo Metro Train	Red Undies, Blue Undies	B3	27	4	NR Changchun Railway Vehicles	China	2009	Guangfo Line		Flashing Lights	Overhead Line	Standard Gauge	80
B	Line 3 Extra	Aeroplane	B4	26	6	CSR Zhuzhou Electric Locomotive	China	2011	Line 3		Flashing Lights, LED	Overhead Line	Standard Gauge	135
B	Line 7 Train	Winter Melon	B5	23	6	CRRC Zhuzhou Electric Locomotive	China	2015	Line 7		LED	Overhead Line	Standard Gauge	80
B	Guangfo Metro Phase 2 Train	Red Undies, Blue Undies		6	4	CRRC Qingdao Sifang Locomotive & Rolling Stock	China	2015	Guangfo Line		Flashing Lights	Overhead Line	Standard Gauge	80
B	Line 9 Train	Watermelon	B6	18	6	CRRC Zhuzhou Electric Locomotive	China	2016	Line 9		LCD	Overhead Line	Standard Gauge	120
B	Line 14 Train	Orange Baby	B7	30	6	CRRC Zhuzhou Electric Locomotive	China	2017	Line 14		LED	Third Rail	Standard Gauge	120
B	Line 21 Train	Alien	B8	33	6	CRRC Zhuzhou Electric Locomotive	China	2016	Line 14	Line 21	LED	Third Rail	Standard Gauge	120
B	Guangfo Metro Extra	Red Undies, Blue Undies		18	4	CRRC Qingdao Sifang Locomotive & Rolling Stock	China	2019	Guangfo Line		LED	Overhead Line	Standard Gauge	80

List all Person-on-Track incidents happened, alongside with all the specifications of the station.



```
select * from station natural join incident where nature = 'Person on Track';
```

stationname	linename	formername	opendate	stationno	formerline	grade	noofplatforms	platformtype	city	district	psd	transfers	incidentdate	nature	description	deaths	injuries
Fangcun	Line 1		1997-06-28	4		Underground	2	Island	Guangzhou	Liwan	Full-height		2005-04-14	Person on Track	Passenger fell on to track.	1	0
Changshou Lu	Line 1		1999-06-28	6		Underground	2	Island	Guangzhou	Liwan	Full-height		2005-09-09	Person on Track	Passenger fell on to track.	1	0
Gongyuanqian	Line 1		1999-06-28	9		Underground	8	Spanish solution	Guangzhou	Yuexiu	Full-height	Line 2	2003-09-09	Person on Track	Passenger fell on to track.	0	1
Ouzhuang	Line 6		2013-12-28	15		Underground	4	Split	Guangzhou	Yuexiu	Full-height	Line 5	2017-05-06	Person on Track	Passenger stuck in the platform gap.	0	1

4 rows)

```
select * from station, incident where station.stationname = incident.stationname
and station.linename = incident.linename and nature = 'Person on Track';
```

stationname	linename	formername	opendate	stationno	formerline	grade	noofplatforms	platformtype	city	district	psd	transfers	incidentdate	nature	description	deaths	injuries
Fangcun	Line 1		1997-06-28	4		Underground	2	Island	Guangzhou	Liwan	Full-height		2005-04-14	Person on Track	Passenger fell on to track.	1	0
Changshou Lu	Line 1		1999-06-28	6		Underground	2	Island	Guangzhou	Liwan	Full-height		2005-09-09	Person on Track	Passenger fell on to track.	1	0
Gongyuanyan	Line 1		1999-06-28	9		Underground	8	Spanish solution	Guangzhou	Yuexiu	Full-height	Line 2	2003-09-09	Person on Track	Passenger fell on to track.	0	1
Ouzhuang	Line 6		2013-12-28	15		Underground	4	Split	Guangzhou	Yuexiu	Full-height	Line 5	2017-05-06	Person on Track	Passenger stuck in the platform gap.	0	1

(4 rows)

1号线
Line 1

2

7号线
Line 7

3

List the number of active services operated by each line.

2号线
Line 2

6

8号线
Line 8

2

```
select linename, count(*) from service
where status not in ('Ceased Operation') group by linename
order by count;
```

3号线
Line 3

22

9号线
Line 9

2

linename		count
Line 9		2
Line 8		2
Line 1		2
Line 13		2
APM Line		2
Line 7		3
Line 5		3
Line 21		4
Guangfo Line		4
Line 4		4
Line 14		6
Line 6		6
Line 2		6
THZ1		6
Line 3		22

(15 rows)

4号线
Line 4

4

13号线
Line 13

2

广佛线
Guangfo Line

4

5号线
Line 5

3

14号线
Line 14

6

APM线
Line

2

6号线
Line 6

6

21号线
Line 21

4

THZ1

6

List the train module with the largest fleet.

```
select * from train where quantity = (select max(quantity) from train);
```

cartype	carname	nickname	model	quantity	carno	manufacturer	country	yearofmanufacturing	servein1	servein2	pis	power	gauge	maxspeed
L	Line 6 Train	Ultraman	L3	51	4	CSR Qingdao Sifang Locomotive & Rolling Stock	China	2011	Line 6		LED	Third Rail	Standard Gauge	90

(1 row)



Line 3 Train "Pumpkin"
Model B1
03A001



carid	carnumbering	formernumbering	carname	linename	formerline	formationid	formerformation	note
1180	03A001		Line 3 Train	Line 3		1140		The first metro train operating in mainland China with a speed of 120km / h

03A001

03B001

03C001



03X001

Line 3 Train "Pumpkin"

carid	carnumbering	formernumbering	carname	linename	formerline	formationid	formerformation	note
1140	03X001		Line 3 Train	Line 3		1120		The first metro train operating in mainland China with a speed of 120km / h
1180	03A001		Line 3 Train	Line 3		1140		The first metro train operating in mainland China with a speed of 120km / h
1220	03B001		Line 3 Train	Line 3		1140		The first metro train operating in mainland China with a speed of 120km / h
1260	03C001		Line 3 Train	Line 3		1140		The first metro train operating in mainland China with a speed of 120km / h



03X001-03X002 Line 3 Train "Pumpkin"

carid	carnumbering	formernumbering	carname	linename	formerline	formationid	formerformation	note
1120	03X001-03X002		Line 3 Train Line 3					
1140	03X001		Line 3 Train Line 3		1120			The first metro train operating in mainland China with a speed of 120km / h
1141	03X002		Line 3 Train Line 3		1120			
1180	03A001		Line 3 Train Line 3		1140			The first metro train operating in mainland China with a speed of 120km / h
1181	03A002		Line 3 Train Line 3		1141			
1220	03B001		Line 3 Train Line 3		1140			The first metro train operating in mainland China with a speed of 120km / h
1221	03B002		Line 3 Train Line 3		1141			
1260	03C001		Line 3 Train Line 3		1140			The first metro train operating in mainland China with a speed of 120km / h
1261	03C002		Line 3 Train Line 3		1141			



08X101-08X102 Line 1&2&8 Extra "Voice Changing Mouse"

carid	carnumbering	formernumbering	carname	linename	formerline	formationid	formerformation	note
575	08X101-08X102		Line 1&2&8 Extra Line 2					
607	08A101		Line 1&2&8 Extra Line 2		575			
608	08B101		Line 1&2&8 Extra Line 2		575			
609	08C101		Line 1&2&8 Extra Line 2		575			
610	08C102		Line 1&2&8 Extra Line 2		575			
611	08B102		Line 1&2&8 Extra Line 2		575			
612	08A102		Line 1&2&8 Extra Line 2		575			

List all carriages and its formed trains operated on Line 1 and considered special (note is not null).

```
select a.Carnumbering car, b.Carnumbering formation, a.Carname, a.Linename, a.note from Car a inner join Car b on
b.CarID = a.FormationID and a.note is not null and a.Linename = 'Line 1' order by formation;
```



car	formation	carname	linename	note
01A060	01X059-01X060	Line 2 Train	Line 1	Manufactured in Germany.
01B060	01X059-01X060	Line 2 Train	Line 1	Manufactured in Germany.
01C060	01X059-01X060	Line 2 Train	Line 1	Manufactured in Germany.
01C059	01X059-01X060	Line 2 Train	Line 1	Manufactured in Germany.
01B059	01X059-01X060	Line 2 Train	Line 1	Manufactured in Germany.
01A059	01X059-01X060	Line 2 Train	Line 1	Manufactured in Germany.
01A062	01X061-01X062	Line 2 Train	Line 1	Manufactured in Germany.
01B062	01X061-01X062	Line 2 Train	Line 1	Manufactured in Germany.
01C062	01X061-01X062	Line 2 Train	Line 1	Manufactured in Germany.
01C061	01X061-01X062	Line 2 Train	Line 1	Manufactured in Germany.
01B061	01X061-01X062	Line 2 Train	Line 1	Manufactured in Germany.
01A061	01X061-01X062	Line 2 Train	Line 1	Manufactured in Germany.
1A01	1X01-1X02	Line 1 Train	Line 1	Car door mechanism is changed from pneumatic to electric.
1B01	1X01-1X02	Line 1 Train	Line 1	Car door mechanism is changed from pneumatic to electric.
1C01	1X01-1X02	Line 1 Train	Line 1	Car door mechanism is changed from pneumatic to electric.
1C02	1X01-1X02	Line 1 Train	Line 1	Car door mechanism is changed from pneumatic to electric.
1B02	1X01-1X02	Line 1 Train	Line 1	Car door mechanism is changed from pneumatic to electric.
1A02	1X01-1X02	Line 1 Train	Line 1	Car door mechanism is changed from pneumatic to electric.
1A07	1X07-1X08	Line 1 Train	Line 1	The "Taixing" ship transporting the fourth train of Line 1 encountered bad weather in the Bay of Biscay, causes varying degrees of damage in the metro cars.
1B07	1X07-1X08	Line 1 Train	Line 1	The "Taixing" ship transporting the fourth train of Line 1 encountered bad weather in the Bay of Biscay, causes varying degrees of damage in the metro cars.
1C07	1X07-1X08	Line 1 Train	Line 1	The "Taixing" ship transporting the fourth train of Line 1 encountered bad weather in the Bay of Biscay, causes varying degrees of damage in the metro cars.
1A08	1X07-1X08	Line 1 Train	Line 1	The "Taixing" ship transporting the fourth train of Line 1 encountered bad weather in the Bay of Biscay, causes varying degrees of damage in the metro cars.
1C08	1X07-1X08	Line 1 Train	Line 1	The "Taixing" ship transporting the fourth train of Line 1 encountered bad weather in the Bay of Biscay, causes varying degrees of damage in the metro cars.
1B08	1X07-1X08	Line 1 Train	Line 1	The "Taixing" ship transporting the fourth train of Line 1 encountered bad weather in the Bay of Biscay, causes varying degrees of damage in the metro cars.
1C21	1X21-1X22	Line 1 Train	Line 1	Modified with traction system manufactured by CSR Times Electric, nicknamed "Voice Changing Big Siemens".
1A22	1X21-1X22	Line 1 Train	Line 1	Modified with traction system manufactured by CSR Times Electric, nicknamed "Voice Changing Big Siemens".
1B22	1X21-1X22	Line 1 Train	Line 1	Modified with traction system manufactured by CSR Times Electric, nicknamed "Voice Changing Big Siemens".
1C22	1X21-1X22	Line 1 Train	Line 1	Modified with traction system manufactured by CSR Times Electric, nicknamed "Voice Changing Big Siemens".
1B21	1X21-1X22	Line 1 Train	Line 1	Modified with traction system manufactured by CSR Times Electric, nicknamed "Voice Changing Big Siemens".
1A21	1X21-1X22	Line 1 Train	Line 1	Modified with traction system manufactured by CSR Times Electric, nicknamed "Voice Changing Big Siemens".
1A31	1X31-1X32	Line 1 Train	Line 1	Modified with traction system manufactured by CSR Times Electric, nicknamed "Voice Changing Big Siemens".
1A32	1X31-1X32	Line 1 Train	Line 1	Modified with traction system manufactured by CSR Times Electric, nicknamed "Voice Changing Big Siemens".
1B32	1X31-1X32	Line 1 Train	Line 1	Modified with traction system manufactured by CSR Times Electric, nicknamed "Voice Changing Big Siemens".
1C32	1X31-1X32	Line 1 Train	Line 1	Modified with traction system manufactured by CSR Times Electric, nicknamed "Voice Changing Big Siemens".
1C31	1X31-1X32	Line 1 Train	Line 1	Modified with traction system manufactured by CSR Times Electric, nicknamed "Voice Changing Big Siemens".
1B31	1X31-1X32	Line 1 Train	Line 1	Modified with traction system manufactured by CSR Times Electric, nicknamed "Voice Changing Big Siemens".

(36 rows)

Power text,
CHECK (Power IN (

'Overhead Line',
'Third Rail',
'Supercapacitor')) ,



Overhead Line



Third Rail



Supercapacitor

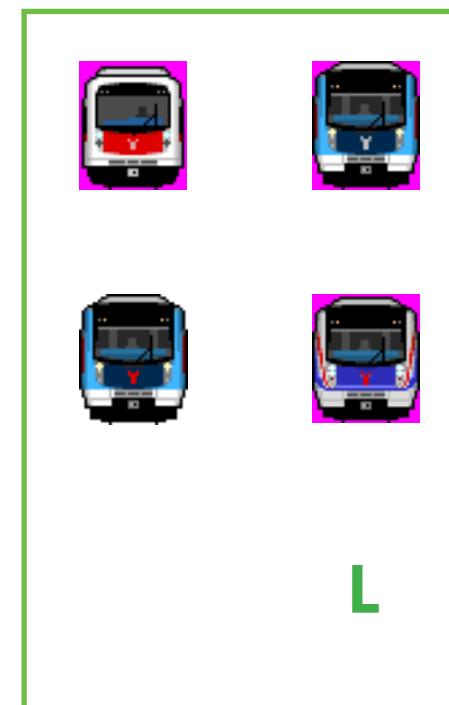
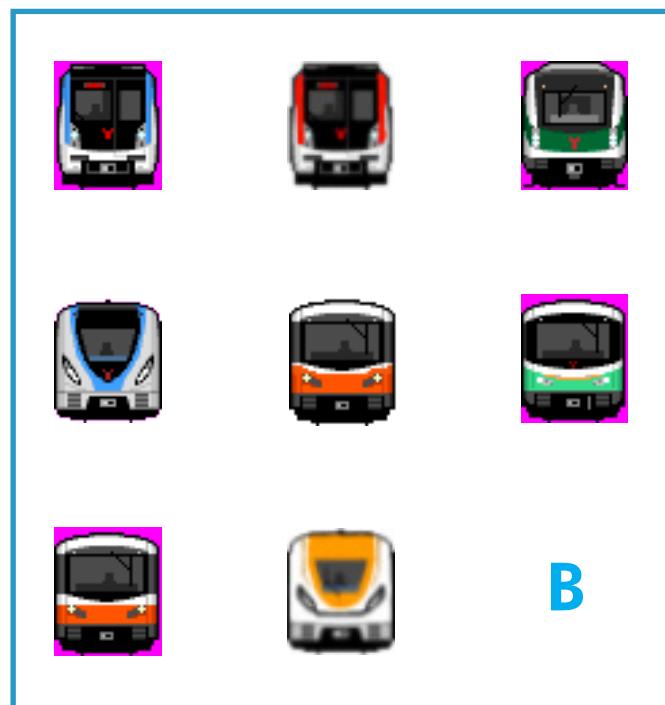
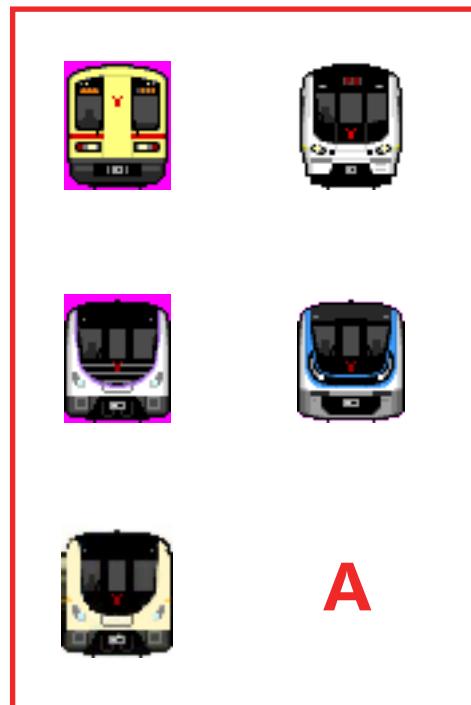
```
NumberOfStops      smallint,  
CHECK (NumberOfStops >0),
```

A service must have more than 1 stop.



```
CarType      text,  
CHECK (Cartype IN (
```

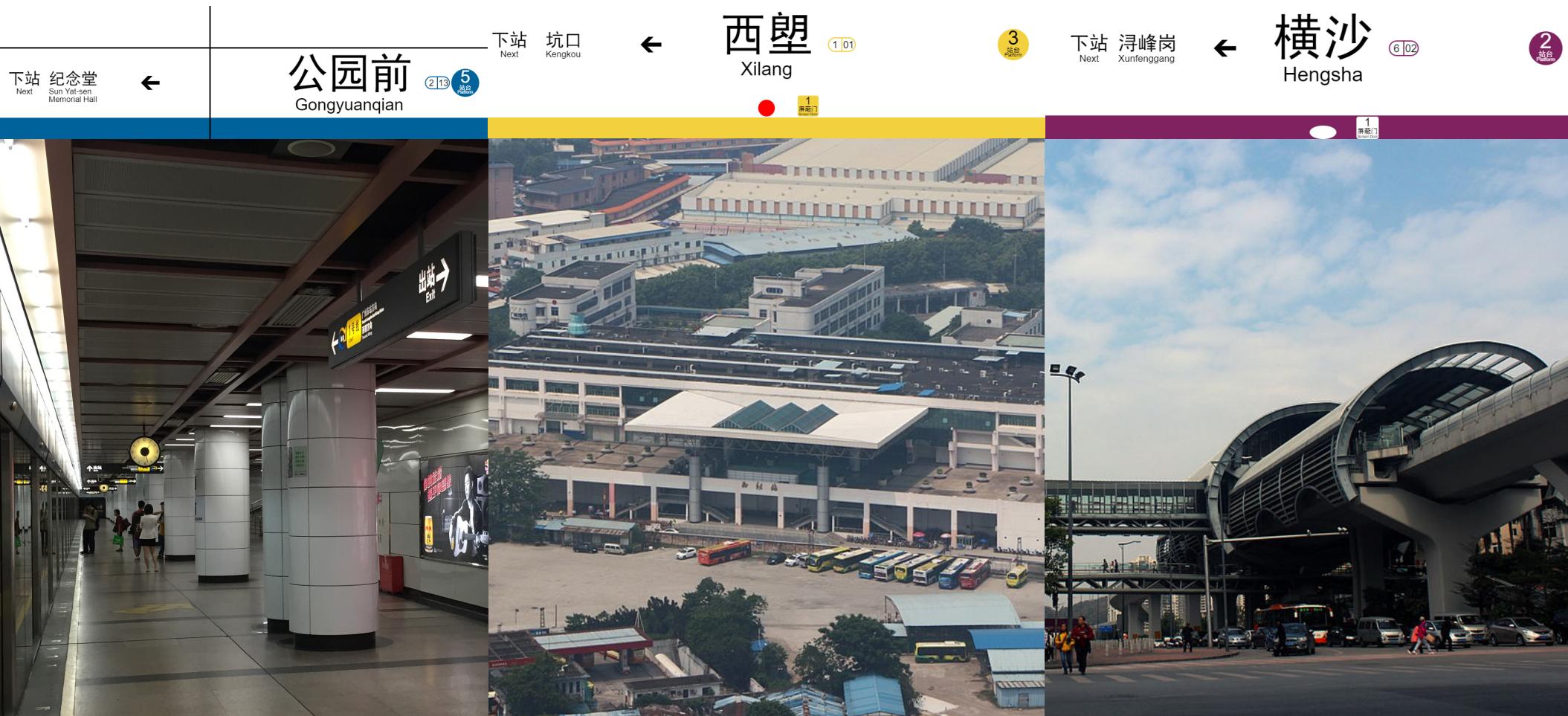
- 'A',
- 'B',
- 'L',
- 'D',
- 'APM',
- 'Tram')),



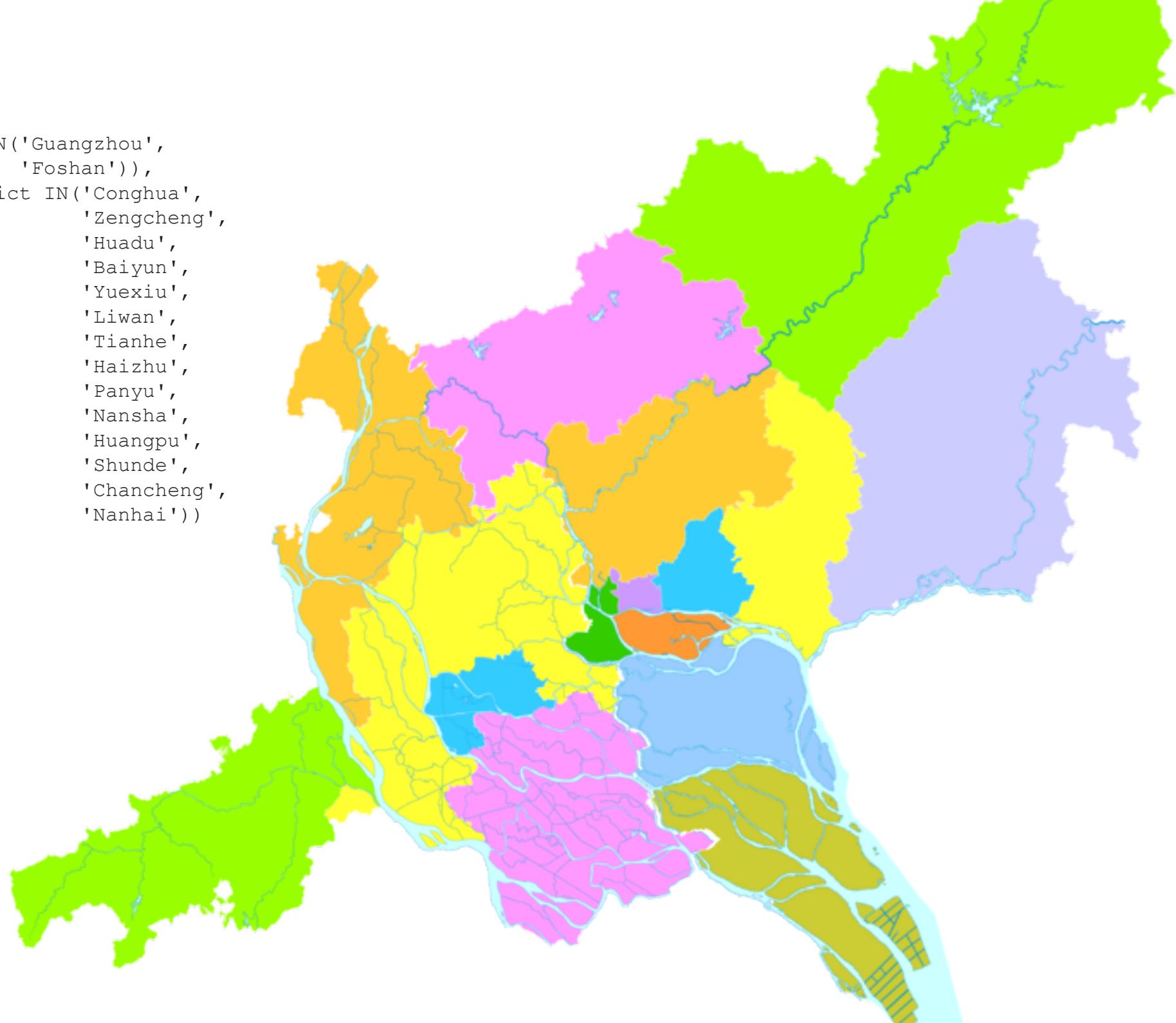


Gauge text,
CHECK (Gauge IN ('Standard Gauge',
'Rubber Tyres')) ,

CHECK (Grade IN('Underground',
'At-grade',
'Elevated')),



```
CHECK (City IN('Guangzhou',
                 'Foshan'))),
CHECK (District IN('Conghua',
                   'Zengcheng',
                   'Huadu',
                   'Baiyun',
                   'Yuexiu',
                   'Liwan',
                   'Tianhe',
                   'Haizhu',
                   'Panyu',
                   'Nansha',
                   'Huangpu',
                   'Shunde',
                   'Chancheng',
                   'Nanhai'))
```



LineName

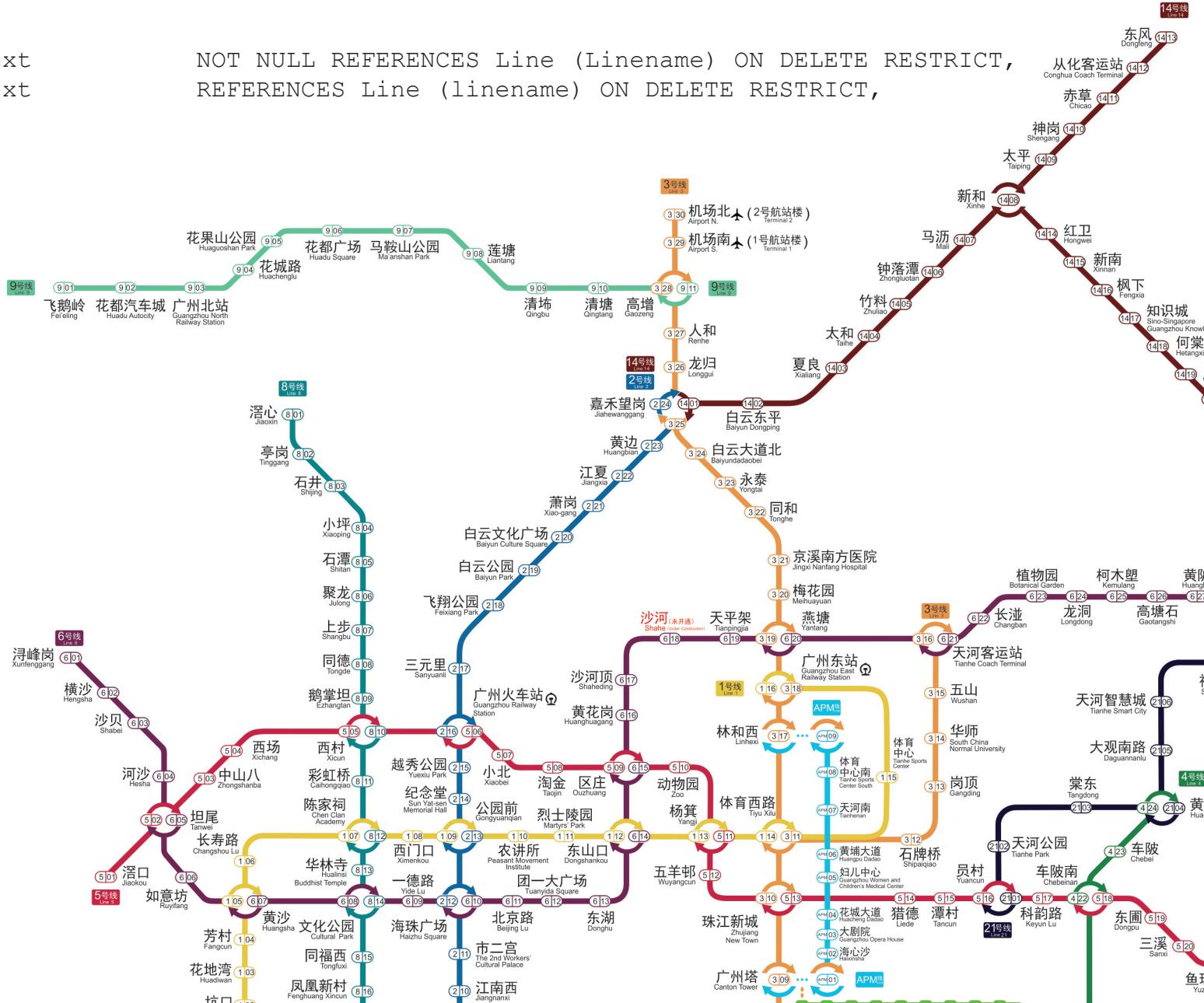
text

NOT NULL REFERENCES Line (LineName) ON DELETE RESTRICT,

Servein1
Servein2

text
text

NOT NULL REFERENCES Line (Linename) ON DELETE RESTRICT,
REFERENCES Line (linename) ON DELETE RESTRICT,



```
select * from train where (servein1 = 'Line 1') or (servein2 = 'Line 1');
```

cartype	carname	nickname	model	quantity	carno	manufacturer	country	yearofmanufacturing	servein1	servein2	pis	power	gauge	maxspeed
A	Line 1 Train	Big Siemens	A1	21	6	Adtranz-Siemens	Germany	1996	Line 1		Overhead Line Standard Gauge	80		
A	Line 2 Train	BBD	A2	26	6	Changchun Railway Vehicles-Bombardier	China	2002	Line 1	Line 8	LED	Overhead Line Standard Gauge	90	
A	Line 1&2 Extra	BBD	A3	8	6	Changchun Railway Vehicles-Bombardier	China	2006	Line 1		Flashing Lights Overhead Line Standard Gauge	90		

(3 rows)

8号线（文化公园-滘心）尚未开通

Line 8 (Cultural Park-Jiaoxin) is under construction.



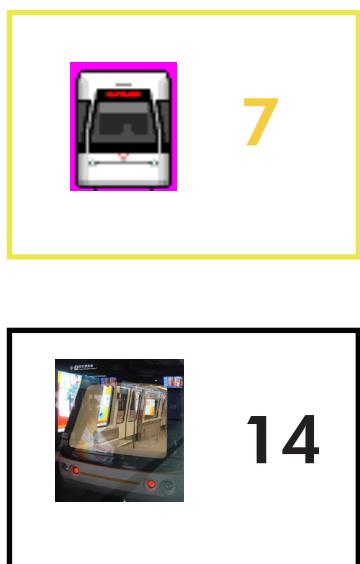
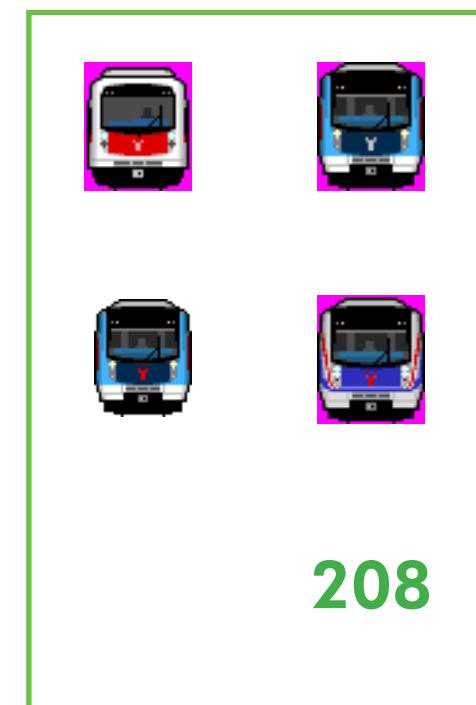
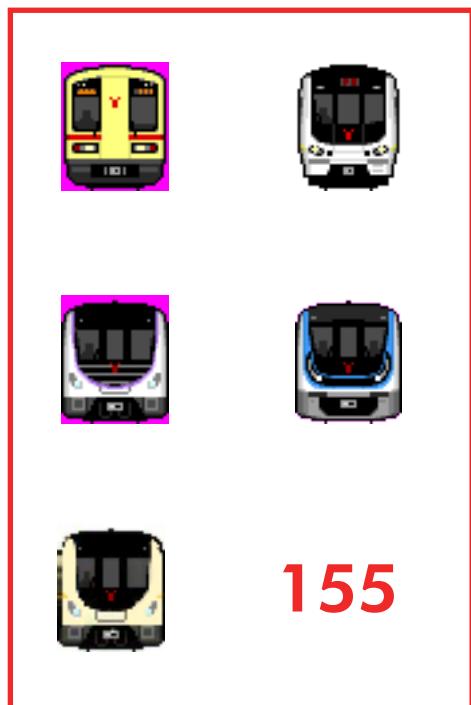
1号线
Line 1



```
select cartype, sum(quantity) from train group by cartype order by sum;
```

cartype	sum
Tram	7
APM	14
A	155
L	208
B	246

(5 rows)



```
select stationname, array_length (regexp_split_to_array(transfers,',',),1) as transfers from station order by transfers;
```

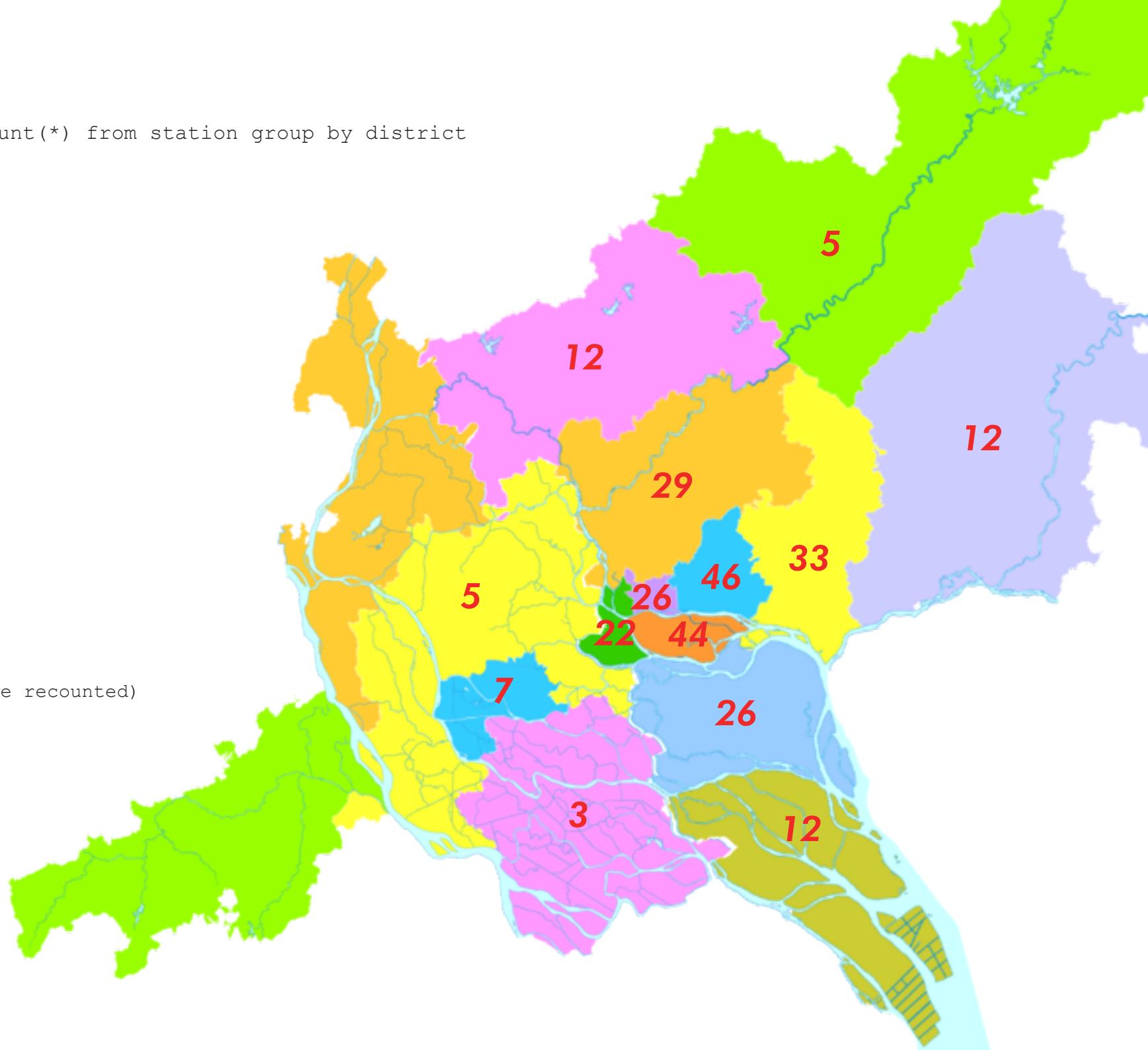
stationname	transfers
Wanshengwei	1
Lijiao	1
Nanzhou	1
Tanwei	1
.	
.	
.	
Tiyu Xilu	1
Huangsha	1
Shayuan	1
Cultural Park	1
Changgang	1
Nanzhou	1
Lijiao	1
Jiahewanggang	2
Guangzhou East Railway Station	2
Wanshengwei	2
Guangzhou Railway Station	2
Guangzhou South Railway Station	2
Guangzhou East Railway Station	2
Guangzhou Railway Station	2
Jiahewanggang	2
Canton Tower	2
Guangzhou South Railway Station	2
Canton Tower	2
Canton Tower	2
Jiahewanggang	2
Wanshengwei	2



```
select district, count(*) from station group by district  
order by count;
```

district	count
Shunde	3
Conghua	5
Nanhai	5
Chancheng	7
Nansha	12
Zengcheng	12
Huadu	12
Liwan	22
Panyu	26
Yuexiu	26
Baiyun	29
Huangpu	33
Haizhu	44
Tianhe	46
(14 rows)	

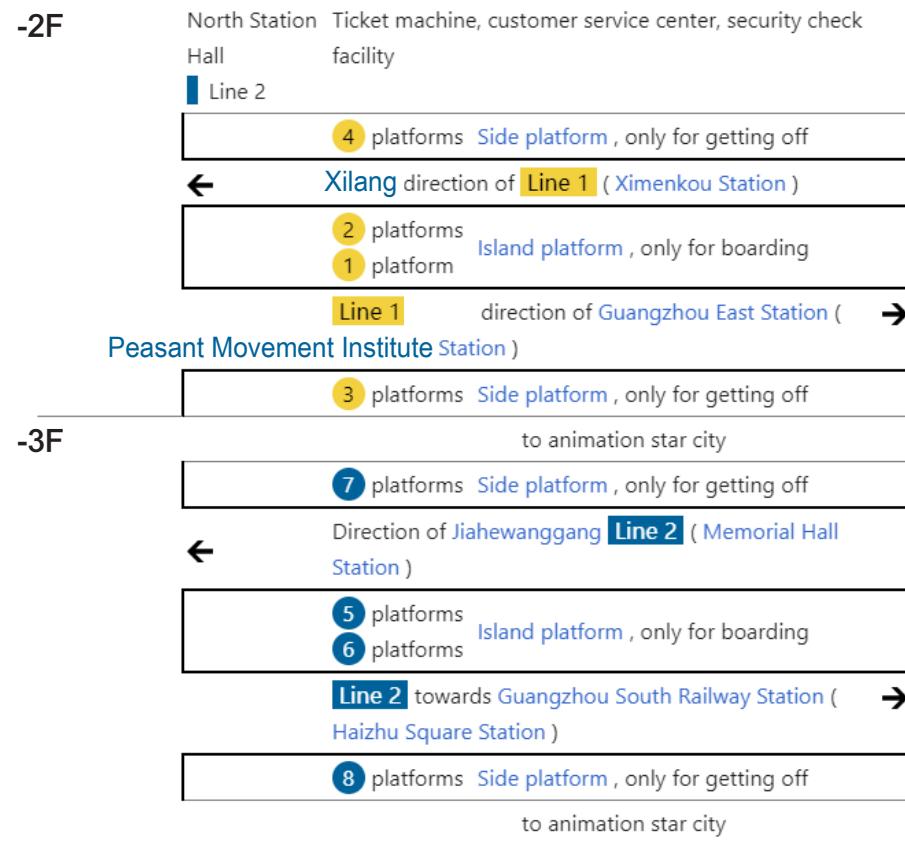
(transfer stations are recounted)



```
select * from station where noofplatforms = (select max(noofplatforms) from station);
```

stationname	formername	opendate	linename	stationno	formerline	grade	noofplatforms	platformtype	city	district	psd	transfers
Gongyuanyqian		1999-06-28	Line 1	9		Underground	8	Spanish solution	Guangzhou	Yuexiu	Full-height	Line 2
Gongyuanyqian		2002-12-29	Line 2	13	Old Line 2	Underground	8	Spanish solution	Guangzhou	Yuexiu	Full-height	Line 1

(2 rows)
(transfer stations are recounted)



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