1) Create

```
 1  use gregs_list;
 2  CREATE TABLE my_contacts(
 3  contact_id INT NOT NULL,
 4  first_name VARCHAR(20) NOT NULL,
 5  last_name VARCHAR(30) NOT NULL,
 6  email VARCHAR(30) NOT NULL,
 7  gender CHAR(1) DEFAULT 'M',
 8  pass VARCHAR(20) DEFAULT '1234'
 9  );
10  DESC my_contacts;
```

Field	Type	Null	Key	Default	Extra
contact_id	int	NO		NULL	
first_name	varchar(20)	NO		NULL	
last_name	varchar(30)	NO		NULL	
email	varchar(30)	NO		NULL	
gender	char(1)	YES		M	
pass	varchar(20)	YES		1234	

2) Insert with using "\" in some field (№9)

```
 1  use gregs_list;
 2  INSERT INTO my_contacts VALUES (1, 'Mary', 'White', 'mw@mw.com', 'F', '1111');
 3  INSERT INTO my_contacts VALUES (2, 'Kate', 'Black', 'kb@kb.com', 'F', '2222');
 4  INSERT INTO my_contacts VALUES (3, 'Julie', 'Gates', 'jg@jg.com', 'F', '3333');
 5  INSERT INTO my_contacts VALUES (4, 'John', 'Smith', 'js@js.com', 'M', '4444');
 6  INSERT INTO my_contacts (contact_id, first_name, last_name, email) VALUES (6, 'Owen', 'Wilson', 'owl@owl.com');
 7  INSERT INTO my_contacts (contact_id, first_name, last_name, email) VALUES (7, 'Kevin', 'Kostner', 'kwkl@kwk.com');
 8  INSERT INTO my_contacts (contact_id, first_name, last_name, email) VALUES (8, 'Rudy', 'Allen', 'ral@ral.com');
 9  INSERT INTO my_contacts VALUES (5, 'Jim', 'Mc\'Gorman', 'jmj@gmg.com', 'M', '5555');
10  SELECT * FROM my_contacts;
```

contact_id	first_name	last_name	email	gender	pass
1	Mary	White	mw@mw.com	F	1111
2	Kate	Black	kb@kb.com	F	2222
3	Julie	Gates	jg@jg.com	F	3333
4	John	Smith	js@js.com	M	4444
6	Owen	Wilson	owl@owl.com	M	1234
7	Kevin	Kostner	kwkl@kwk.com	M	1234
8	Rudy	Allen	ral@ral.com	M	1234
5	Jim	Mc'Gorman	jmj@gmg.com	M	5555

3) Select * where

```
use gregs_list;
SELECT * FROM my_contacts WHERE first_name='Julie';
```

contact_id	first_name	last_name	email	gender	pass
3	Julie	Gates	jg@jg.com	F	3333

4) Select with "\" in some field

```
1 use gregs_list;
2 SELECT * FROM my_contacts WHERE last_name='Mc\'Gorman';
```

contact_id	first_name	last_name	email	gender	pass
5	Jim	Mc'Gorman	jmj@gmg.com	M	5555

5) Select fields where

```
1 use gregs_list;
2 SELECT first_name, email, gender FROM my_contacts WHERE gender='F';
```

first_name	email	gender
Mary	mw@mw.com	F
Kate	kb@kb.com	F
Julie	jg@jg.com	F

6) Select where and

```
1 use gregs_list;
2 SELECT first_name, last_name, gender, pass FROM my_contacts WHERE gender='M' AND pass='1234';
```

first_name	last_name	gender	pass
Owen	Wilson	M	1234
Kevin	Kostner	M	1234
Rudy	Allen	M	1234

7) Select like

```
1 use gregs_list;
2 SELECT first_name, last_name, pass FROM my_contacts WHERE pass LIKE "1%";
```

first_name	last_name	pass
Mary	White	1111
Owen	Wilson	1234
Kevin	Kostner	1234
Rudy	Allen	1234

```
1  use gregs_list;
2  SELECT * FROM my_contacts WHERE first_name LIKE "%a%";
```

contact_id	first_name	last_name	email	gender	pass
1	Mary	White	mw@mw.com	F	1111
2	Kate	Black	kb@kb.com	F	2222

8) Alter table add column / Update Set

```
1   use gregs_list;
2   ALTER TABLE my_contacts ADD height INT NOT NULL;
3   UPDATE my_contacts SET height=155 WHERE first_name='Mary';
4   UPDATE my_contacts SET height=170 WHERE first_name='Kate';
5   UPDATE my_contacts SET height=178 WHERE first_name='Julie';
6   UPDATE my_contacts SET height=190 WHERE first_name='John';
7   UPDATE my_contacts SET height=165 WHERE first_name='Owen';
8   UPDATE my_contacts SET height=171 WHERE first_name='Kevin';
9   UPDATE my_contacts SET height=187 WHERE first_name='Rudy';
10  UPDATE my_contacts SET height=170 WHERE first_name='Jim';
11  SELECT * FROM my_contacts
```

contact_id	first_name	last_name	email	gender	pass	height
1	Mary	White	mw@mw.com	F	1111	155
2	Kate	Black	kb@kb.com	F	2222	170
3	Julie	Gates	jg@jg.com	F	3333	178
4	John	Smith	js@js.com	M	4444	190
6	Owen	Wilson	owl@owl.com	M	1234	165
7	Kevin	Kostner	kwkl@kwk.com	M	1234	171
8	Rudy	Allen	ral@ral.com	M	1234	187
5	Jim	Mc'Gorman	jmj@gmg.com	M	5555	170

9) Select ><=

```
1  use gregs_list;
2  SELECT first_name, last_name, height FROM my_contacts WHERE gender='M' AND height>=170;
```

first_name	last_name	height
John	Smith	190
Kevin	Kostner	171
Rudy	Allen	187
Jim	Mc'Gorman	170

10) Select OR

```
1 use gregs_list;
2 SELECT first_name, last_name, height, email FROM my_contacts WHERE last_name='Smith' OR height=170;
```

first_name	last_name	height	email
Kate	Black	170	kb@kb.com
John	Smith	190	js@js.com
Jim	Mc'Gorman	170	jmj@gmg.com

11) Select between

```
1 use gregs_list;
2 SELECT first_name, last_name, height FROM my_contacts WHERE height BETWEEN 170 AND 180;
```

first_name	last_name	height
Kate	Black	170
Julie	Gates	178
Kevin	Kostner	171
Jim	Mc'Gorman	170

12) Select in

```
1 use gregs_list;
2 SELECT first_name, last_name, email, height FROM my_contacts WHERE email IN('jg@jg.com', 'mw@mw.com');
```

first_name	last_name	email	height
Mary	White	mw@mw.com	155
Julie	Gates	jg@jg.com	178