

Week 7

To continue working on reg.php, I added up database concept and some determined statements this week. On login section, when users enter their login credentials, the system will go to hi.php and execute the SQL command to see whether there is record match what users entered. If the record matches the user credential, the system will register a user session called loginUser. The same mechanism works for sign in section, users enter all the personal information and click the submit button, the system will go to hi.php and insert all the data into the database. Above is basically what reg.php is working so far; however, there was a problem when executing the SQL command through PHP code.

For example, if my database columns look like the table below

Column Name	id	name	mail	phone	password
Type	Int(11)	Varchar(20)	Varchar(50)	Varchar(10)	Varchar(20)

Database name: account

I wanted to insert new data into this table, so I wrote a SQL command in PHP format:

```
$result = "INSERT INTO account (id, name, mail, phone, password) VALUES ('$id, $name, $mail, $phone, $password)";
```

Each \$variable represented a value defined somewhere above this command.

A new data should be inserted in the table if this command executed successful and that was the result we are expected. However, although there was no error message that told me the execution was failed, there was no new data inserted into the data, either. The script looked good, so I thought whether the version of PHP might be the reason that the command could not run successfully. I changed the PHP version to the older one, but the result still empty. Now I had to start thinking if my written was wrong.

I added a single quotation mark outside each variable, so the SQL command should look like this:

```
$result = "INSERT INTO account (id, name, mail, phone, password) VALUES ('$id', '$name', '$mail', '$phone', '$password') ";
```

The result for command above was still not what I expected to have. Therefore, I start searching online to see if there was another expression. Finally, I got another written expression style, I isolated all the variables outside the command and connect each variable with a dot. The modified command looked like below:

```
$result = "INSERT INTO account (id, name, mail, phone, password) VALUES (" ' .  
$id . ', ' . $name . ', ' . $mail . ', ' . $phone . ', ' . $password . ') ";
```

Now I got the result that I wanted.

This accident gives me a lesson that every punctuation is so important that I should be more careful in using any punctuation when writing the code or executing the command. Otherwise, I will waste a lot of time in modifying small errors like this.

This is entirely my own work, except as disclosed in the documentation. I gave help to the following persons:

Signed Cheng Wei Liao