Course:
Developing Server-Side Applications Using PHP and AJAX

Meeting 3

TOPIC: WORKING WITH A DATABASE

Task 1

You have already created a page with a user registration form. In this case, information on the registered users was stored in a text file.

Modify the work of that page so that the information on the registered users would be stored in a database.

To perform this task, you should create a page with a registration form (you can use the form from the previous task) and a table in a database. The table structure is determined by the structure of a form: you need to create a field in the table for each form field. The form handler should add data from the form to the table. Just as in the previous case, it is necessary to ensure the uniqueness of the login field. Think about how this can be done in the best possible way.

Use PDO in this and the subsequent tasks for working with a database.

In order to connect to a database, create the function:

```
connect($host,$user,$pass,$dbname)
```

that can also be used in other tasks, where it will be necessary to work with a database.

The file with this function can be included using the include() method.

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Task 2

Create a folder named Site and two subfolders named pages and images in it. Create the index.php file in the Site folder: this will be a home page of the website. Create the upload.php file in the pages folder.

Create a form for image upload in the upload.php file. This form should contain input with the type='file' attribute and the submit button.

Now it is necessary to create a database, and then create the Pictures table in it:

```
Pictures
(
id int,                        //primary key
name varchar(255),             //picture name
size int,                      //picture size in bytes
imagepath varchar(255))        //path to the picture in /images directory
```

This table will store information on uploaded images.

Create a link to the upload.php page in the index.php file. In addition, the index.php page should display the current number of images in the Picture table.

The form on the upload.php page should upload images to the images folder and, at the same time, it should add information on uploaded images to the Pictures table.

Use PDO in this and the subsequent tasks for working with the database.