**App Payslip**

In front of you is a small web application to generation the payslip list. This solution allows you to process the information obtained either by entering data or by uploading a data file to the server.

I chose PHP as my main development language for interaction with the HTML form.

**1. The principle of this application.**

In order to receive the processed data, the user must enter the necessary information in the form fields or upload the file to the server in a special field for uploading the file. Next, a file in \*CSV format is created on the server in the directory from which the program receives data. Further, the necessary data are extracted for processing by special functions, which return the required data at the output.

After that, the processed data is transferred to a function that forms an HTML table with the following information: First name, last Name, the pay period for which is issued payslip, the gross income, the annual salary, the income tax, the net income, the super rate.

This example presents a special case of working with data. And I did not take into account the following details. First, when you load a file, you can use other delimiters for the data. Second, there is no flexibility at this time when downloading a file. From which specific directory, where you need to upload files. Third, when you enter data through the form, the old file is overwritten.

**2. Requirements for installing and running the application.**

In order to run this application, you need to download the project folder to a remote web server or to a local hosting. Next, go to the page and run the index.php file and get started.

**3. Testing the correctness of the work.**

PHP is a loosely-typed programming language and I had to process the numbers. So I first introduced data validation in the form, where data is checked by regular expressions. Also, application check getting data for some conditions before start processing data.

How does it work you can see on

<https://tasabina.000webhostapp.com/incomtest/index.php>