

Experiment No: 14

Write simple PHP program for sending and receiving plain text messages.

Resources required:

Hardware	Software
Computer System	XAMPP

Practical Significance:

PHP mail is an inbuilt PHP function which is used to send emails from PHP scripts.

It can also be used to send email, to your newsletter subscribers, password reset links to users who forget their passwords, activation/confirmation links, registering users and verifying their email addresses

Theoretical Background:

PHP uses Simple Mail Transmission Protocol (SMTP) to send mail.

Settings of the SMTP mail can be done through “php.ini” file present in the PHP installation folder.

Any text editor will be used to open and edit “php.ini” file.

Locate [mail function] in the file.

After [mail function] in the file following things will be displayed :

Don't remove the semi column if you want to work with an SMTP Server like Mercury

; SMTP = localhost;

; smtp_port = 25

Remove the semi colons before SMTP and smtp_port and set the SMTP to your smtp server and the port to your smtp port. Your settings should look as follows :

SMTP = smtp.example.com

smtp_port = 587

We can get your SMTP settings from your web hosting providers.

PHP Mail

PHP mail is an inbuilt PHP function which is used to send emails from PHP scripts.

It is a cost-effective way of notifying users of important events.

User's gets contact you via email by providing a contact us form on the website that emails the provided content.

It can also be used to send email, to your newsletter subscribers, password reset links to users who forget their passwords, activation/confirmation links, registering users and verifying their email addresses

Syntax : mail(to, subject, message, headers, parameters);

Parameters	Descriptions
To	Required. Specifies the receiver or receivers email ids.
Subject	Required. Specifies the subject of the email. This parameter cannot contain any newline characters.

message	Required. Defines the message to be sent. Each line should be separated with a (\n). Lines should not exceed 70 characters.
Headers	Optional. Specifies additional headers, like From, Cc, and Bcc.
parameters	Optional. Additional parameter to the send mail can be mentioned in this section.

Program Code:

Practical related questions:

- How to send mail in PHP?
PHP uses Simple Mail Transmission Protocol (SMTP) to send mail.
PHP mail is an inbuilt PHP function which is used to send emails from PHP scripts.

- Explain the different parameters of mail function?

Parameters	Descriptions
to	Required. Specifies the receiver or receivers email ids.
Subject	Required. Specifies the subject of the email. This parameter cannot contain any newline characters.
Message	Required. Defines the message to be sent. Each line should be separated with a (\n). Lines should not exceed 70 characters.
Headers	Optional. Specifies additional headers, like From, Cc, and Bcc.
Parameters	Optional. Additional parameter to the send mail can be mentioned in this section.

- Explain SMTP protocol?
The Simple Mail Transfer Protocol (SMTP) is an internet standard communication protocol for email transmission.

Exercise:

- Write simple PHP program for sending and receiving plain text messages through mail ().

```
<html>
  <head>
    <title>Email using PHP</title>
  </head>
  <body>
    <?php
      $to = "jayeshpotlabattini@gmail.com";
      $subject = "This is subject";
      $message = "<b>This is HTML message.</b>";
      $header = "From:jayeshpotlabattini24@gmail.com \r\n";
      $header .= "Cc:jayeshpotlabattini@gmail.com \r\n";
      $header .= "MIME-Version: 1.0\r\n";
      $header .= "Content-type: text/html\r\n";
      $retvalue = mail ($to,$subject,$message,$header);
      if( $retvalue == true ) {
```

```
        echo "Message sent successfully...";
    } else {
        echo "Message could not be sent...";
    }
    ?>
</body>
</html>
```

Output:

Message sent successfully...

2. Write steps to send and receive mail.

- Any text editor will be used to open and edit “php.ini” file.
- Locate [mail function] in the file.
- After [mail function] in the file following things will be displayed:
- Don't remove the semi column if you want to work with an SMTP Server like Mercury
; SMTP = localhost;
; smtp_port = 25
- Remove the semi colons before SMTP and smtp_port and set the SMTP to your smtp server and the port to your smtp port. Your settings should look as follows
:
SMTP = smtp.example.com
smtp_port = 25
- If the server requires authentication, then add the following lines :
 1. auth_username = example_username@example.com
 2. auth_password = example_password
 3. Save the new changes.
- Send mail using a PHP Program.
- Mail is received.

