**Experiment No. 7**

**Title:** E-mail handling using PHP

**Batch: A3 Name: Keyur Patel Roll No.: 16010421073 Experiment No.:7**

**Aim:** To perform E-mail handling using PHP

# Output (Code with result Snapshot) Code:

**Index.php**

<?php

use PHPMailer\PHPMailer\PHPMailer;

use PHPMailer\PHPMailer\SMTP;

use PHPMailer\PHPMailer\Exception;

require\_once \_\_DIR\_\_ . '/vendor/phpmailer/src/Exception.php';

require\_once \_\_DIR\_\_ . '/vendor/phpmailer/src/PHPMailer.php';

require\_once \_\_DIR\_\_ . '/vendor/phpmailer/src/SMTP.php';

// passing true in constructor enables exceptions in PHPMailer

$mail = new PHPMailer(true);

try {

    // Server settings

    $mail->SMTPDebug = SMTP::DEBUG\_SERVER; // for detailed debug output

    $mail->isSMTP();

    $mail->Host = 'smtp.gmail.com';

    $mail->SMTPAuth = true;

    $mail->SMTPSecure = PHPMailer::ENCRYPTION\_STARTTLS;

    $mail->Port = 587;

    $mail->Username = 'keyur.n.patel100@gmail.com'; // YOUR gmail email

    $mail->Password = 'qjrefyjqrdbeytkm'; // YOUR gmail password

    // Sender and recipient settings

    $mail->setFrom('keyur.n.patel100@gmail.com', 'Example Mail');

    $mail->addAddress('keyur20@somaiya.edu', 'Keyur Patel');

    $mail->addReplyTo('keyur20@somaiya.edu', 'Example Sender'); // to set the reply to

    // Setting the email content

    $mail->IsHTML(true);

    $mail->Subject = "Hi this is my first mail using PHPmailer";

    $mail->Body = 'Hi my name is keyur and this is my first mail using phpmailer. <b>Gmail</b> SMTP email body.';

    $mail->AltBody = 'Plain text message body for non-HTML email client. Gmail SMTP email body.';

    $mail->send();

    echo "Email message sent.";

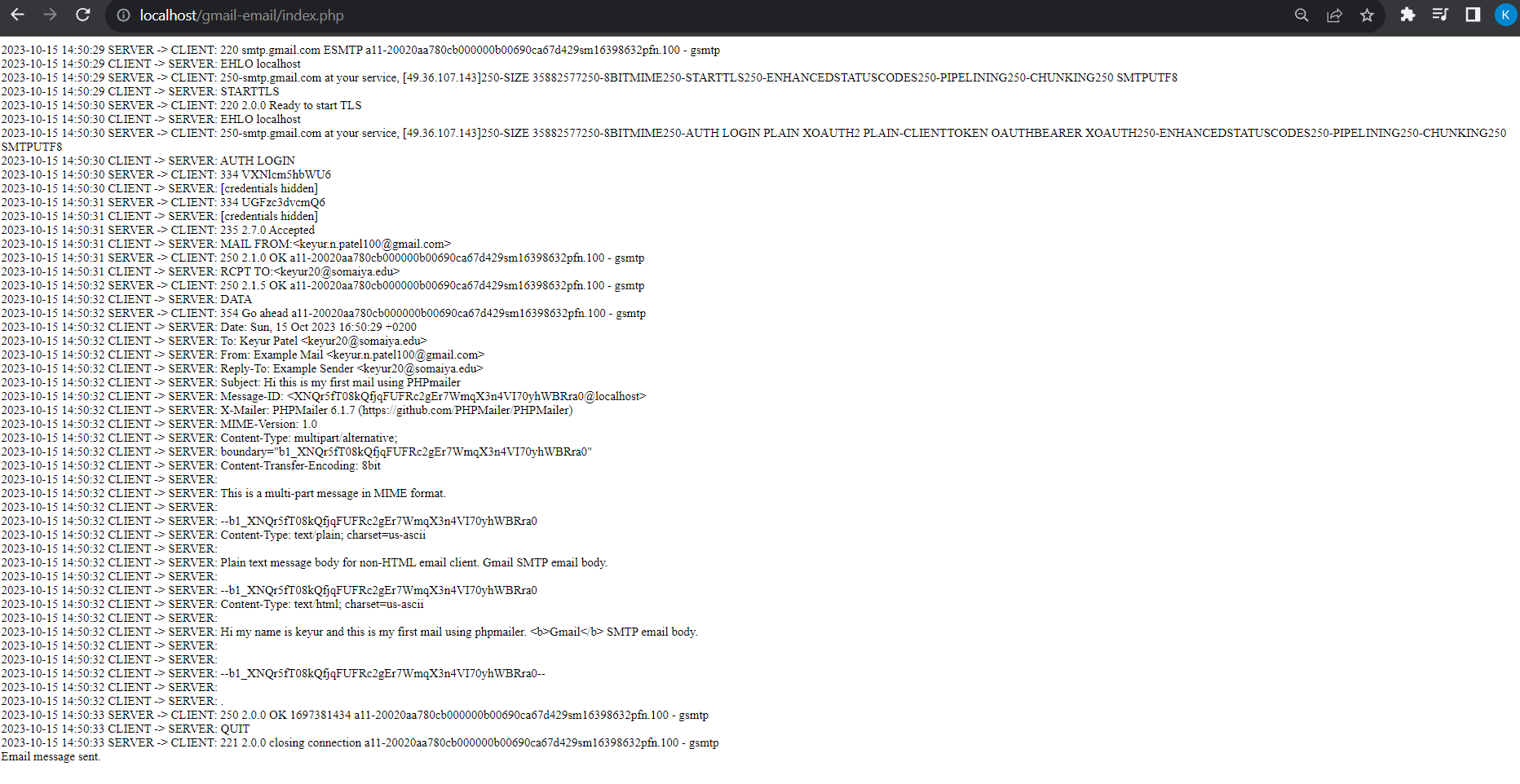
} catch (Exception $e) {

    echo "Error in sending email. Mailer Error: {$mail->ErrorInfo}";

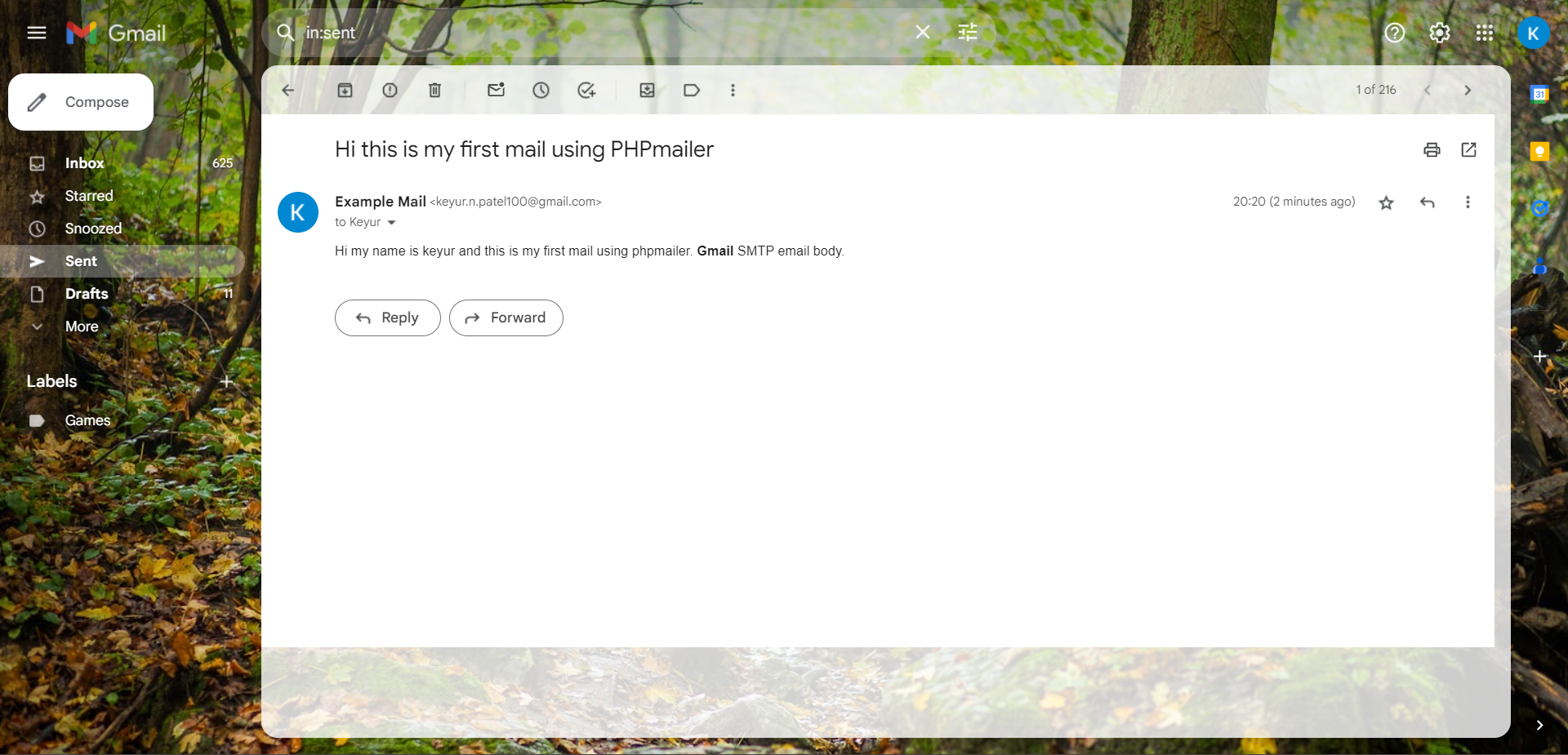
}

?>

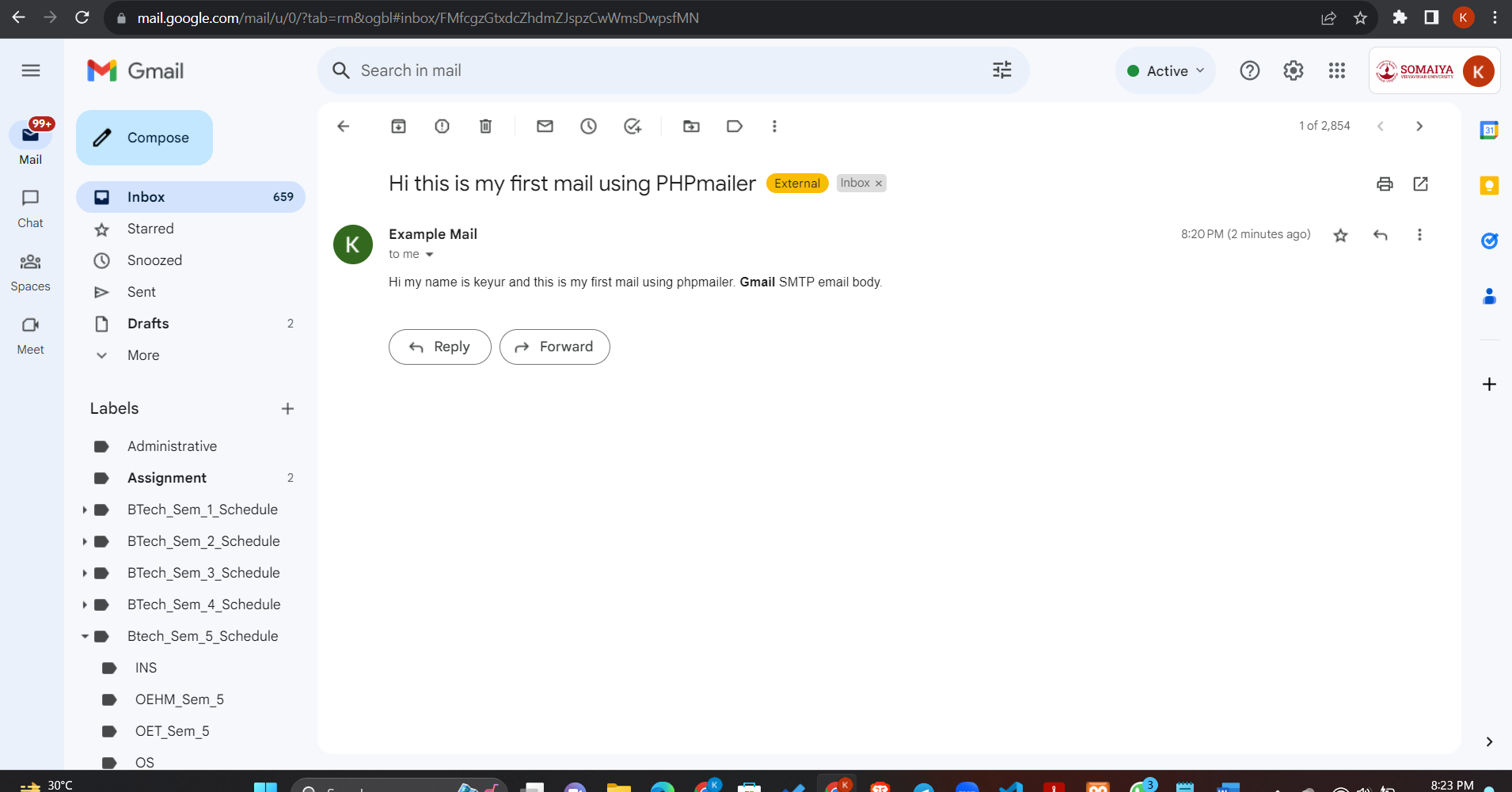
**Output:**

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**Sender:** [**keyur.n.patel100@gmail.com**](mailto:keyur.n.patel100@gmail.com)

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**Receiver:** [**keyur20@somaiya.edu**](mailto:keyur20@somaiya.edu)

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**Questions: -**

# What are the advantages of using PHPMailer over mail() function to send mail in PHP?

**Answer:** First of all, PHPMailer provides an object-oriented interface, whereas mail() is not object oriented. PHP developers generally hate to create $headers strings while sending emails using the mail() function because they require a lot of escaping. PHPMailer makes this a breeze. Developers also need to write dirty code (escaping characters, encoding and formatting) to send attachments and HTML based emails when using the mail() function, whereas PHPMailer makes this painless.

Also, the mail() function requires a local mail server to send out emails, which is not always trivial to set up. PHPMailer can use a non-local mail server (SMTP) if you have authentication. **Further advantages include:**

It can print various kinds of error messages in more than 40 languages when it fails to send an email. It has integrated SMTP protocol support and authentication over SSL and TLS.

It can send an alternative plain-text version of email for non-HTML email clients. It has a very active developer community that keeps it secure and up to date.

# How to use PHP Mailer with Gmail?

**Answer:** Step-1: Installation of Library PHPMailer –

To install PHPMailer in PHP Project, run the below shown composer command

– composer require phpmailer / phpmailer Step-2: Load the Composer‟s Autoloader -

require „vendor/autoload.php‟;

Step-3: Create a PHPMailer class object –

$mail = PHPmailer()

Step-4: Configure Server Setting –

$mail->SMTPDebug = 2; // Enable verbose debug output

$mail->isSMTP(); // Set mailer to use SMTP

$mail->Host = 'smtp.gfg.com;'; // Specify main SMTP server

$mail->SMTPAuth = true; // Enable SMTP authentication

$mail->Username = 'user@gfg.com'; // SMTP username

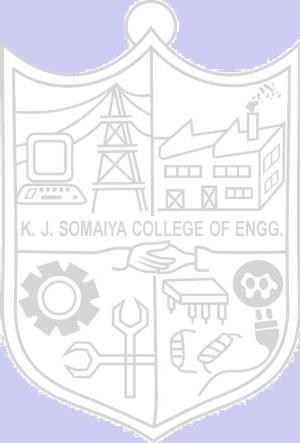
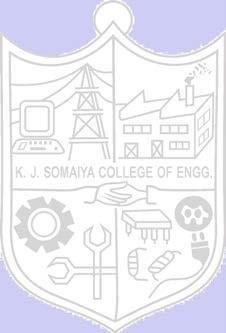
$mail->Password = 'password'; // SMTP password

$mail->SMTPSecure = 'tls'; // Enable TLS encryption, 'ssl' also accepted

$mail->Port = 587; // TCP port to connect to

**Outcomes:** CO4: Demonstrate the use advanced features such as REST API, email handling, Localization and internalization in PHP.

**Conclusion: (Conclusion to be based on the objectives and outcomes achieved)**



Thus, from this experiment we have understood about the phpmailer function .

**Grade: AA / AB / BB / BC / CC / CD/DD Signature of faculty in-charge**

**References: Books:**

1. Thomson PHP and MySQL Web Development Addison-Wesley Professional , 5th Edition 2016.
2. Peter MacIntyre, Kevin Tatroe Programming PHP O'Reilly Media, Inc, 4th Edition 2020
3. Frank M. Kromann Beginning PHP and MySQL: From Novice to Professional, Apress 1st Edition, 2018
4. https://[www.w3schools.com/](http://www.w3schools.com/)