Question 1: Make a web page as follows:
Take all the following details through the web form
1) Email address to send mail
● for sender
● for receiver
● CC address
● BCC address
2) Subject of the mail
3) Content of the mail
On submit button the mail must be send to the receiver and the message of the details are to be
displayed as a message box to the web page

Answer 1:

```php
<?php
use PHPMailer\PHPMailer\PHPMailer;
use PHPMailer\PHPMailer\SMTP;
use PHPMailer\PHPMailer\Exception;
require('./vendor/autoload.php');
$dotenv = Dotenv\Dotenv::createImmutable(__DIR__);
$dotenv->load();
$response = 0;




if (!strcmp($_SERVER["REQUEST_METHOD"], "POST")) {

    if(!isset($_POST["sender"]) ||!isset($_POST["receiver"]) ||
!isset($_POST["subject"]) || !isset($_POST["content"])){
        header("Location:./email.php");
        return;
    }
    $sender = $_POST["sender"];
    $receiver = $_POST["receiver"];
    $subject = $_POST["subject"];
```

```php
$content = $_POST["content"];
$ccString = "";
if(isset($_POST["cc"])) $ccString = $_POST["cc"];
$bccString = "";
if(isset($_POST["bcc"])) $bccString = $_POST["bcc"];


$ccArr = explode(';',$ccString);
$bccArr = explode(';',$bccString);


if(!filter_var($receiver,FILTER_VALIDATE_EMAIL)){
    $response = -1;
}


if(!filter_var($sender,FILTER_VALIDATE_EMAIL)){
    $response = -4;
}
foreach($ccArr as $email){
    if(!filter_var($email,FILTER_VALIDATE_EMAIL)){
        $response = -2;
    }
}
foreach($bccArr as $email){
    if(!filter_var($email,FILTER_VALIDATE_EMAIL)){
        $response = -3;
    }
}
$subject = filter_var($subject, FILTER_SANITIZE_STRING);
$content = filter_var($content, FILTER_SANITIZE_STRING);
$content = $content.'\n\nMail Sent Using Mailer.';


if($response==0){
    $mail = new PHPMailer(true);


    try {
        $mail->SMTPDebug = 0;
        $mail->isSMTP();
        $mail->Debugoutput = 'html';
        $mail->Host       = $_ENV["HOST"];
        $mail->SMTPAuth   = true;
        $mail->Username   = $_ENV["USERNAME"];
        $mail->Password   = $_ENV["PASSWORD"];
        $mail->SMTPSecure = "tls";
```

```php
            $mail->Port          = $_ENV["PORT"];

            //Recipients
            $mail->setFrom($sender);
            $mail->addAddress($receiver);
            foreach($ccArr as $cc) $mail->addCC($cc,'noreply');
            foreach($bccArr as $bcc) $mail->addBCC($bcc,'noreply');


            // Content
            $mail->isHTML(true);
            $mail->Subject = $subject;
            $mail->Body     = $content;
            $mail->AltBody = $content;

            $mail->send();
            $response = 1;
        } catch (Exception $e) {
            $response=-5;
            echo $e;
        }
    }

}
?>


<html>

<head>
    <title>Mailer</title>
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z"
crossorigin="anonymous">

</head>
<style>
    .container {
        align-items: center;
    }

    form {
```

```php
        align-items: center;
    }
</style>

<body>

    <div class="container" style="text-align: center">
        <h3 class="display-3" style="font-size: 2rem">Mailer</h3>
        <h6 class="display-4" style="font-size: 1rem">Send Mails in a jiffy!</h6>
    </div>


    <div class="container">
        <div class="container" style="text-align: center">
    <?php
        if ($response != 0) {
            if($response<0)
                echo '  <div style="margin-top: 10px" class="alert alert-danger
alert-dismissible fade show" role="alert">';
            else echo '  <div style="margin-top: 10px" class="alert alert-success
alert-dismissible fade show" role="alert">';



            if ($response == -1) {
                echo '<strong>Invalid Receiver Email Address!</strong> Please check
Receiver\'s Email Addresss.';
            } else if ($response == -2) {
                echo '<strong>Invalid CC Email Address!</strong> Please check CC Email
Addresss(s).';
            } else if ($response == -3) {
                echo '<strong>Invalid BCC Email Address!</strong> Please check BCC
Email Addresss(s).';
            }else if ($response == -4) {
                echo '<strong>Invalid Sender Email Address!</strong> Please check your
Email Addresss.';
            }else if ($response == -5) {
                echo '<strong>Failed to Send Email!</strong> Please try again later.';
            }else if ($response == 1) {
                echo "<strong>Email Sent Successfully!</strong> <br>Details for your
Email: <br> Sender:- $sender <br> Receiver:- $receiver <br> CC:- <br>";
                foreach($ccArr as $email) echo $email."<br>";
                echo "BCC:- <br>";
                foreach($bccArr as $email) echo $email."<br>";
```

```php
                echo "Subject:- $subject <br>";

            }
            echo '<button type="button" class="close" data-dismiss="alert"
aria-label="Close">
                        <span aria-hidden="true">&times;</span>
                    </button>
                </div>
            ';
        }


    ?>
    </div>
        <form action="email.php" method="post">
            <div class="form-group">
                <label for="senderLabel">Sender</label>
                <input type="text" class="form-control" name="sender" id="sender"
aria-describedby="sender" placeholder="Enter Your Email Address..." required>
                <small id="senderHelp" class="form-text text-muted">Enter Your Email
Address. (eg: john.steve@gmail.com)</small>
            </div>
            <div class="form-group">
                <label for="receiverLabel">Receiver</label>
                <input type="text" class="form-control" name="receiver" id="receiver"
aria-describedby="Receiver" placeholder="Enter Receiver's Address..." required>
                <small id="receiverHelp" class="form-text text-muted">Enter Receiver's
Email Address. (eg: john.steve@gmail.com)</small>
            </div>
            <div class="form-group">
                <label for="ccLabel">CC</label>
                <input type="text" class="form-control" name="cc" id="cc"
aria-describedby="cc" placeholder="Enter CC's Address...">
                <small id="ccHelp" class="form-text text-muted">Enter CC's Email
Address. (Use ';' to enter more than 1 Email Address) (Note: Carbon Copy Email
Receivers can see who others were sent this Email.)</small>
            </div>
            <div class="form-group">
                <label for="bccLabel">BCC</label>
                <input type="text" class="form-control" name="bcc" id="bcc"
aria-describedby="bcc" placeholder="Enter BCC's Address...">
```

```html
            <small id="bccHelp" class="form-text text-muted">Enter CC's Email
Address. (Use ';' to enter more than 1 Email Address) (Note: Blind Carbon Copy Email
Receivers can-not see who others were sent this Email.)</small>
            </div>
            <div class="form-group">
                <label for="subjectLabel">Subject</label>
                <input type="text" class="form-control" name="subject" id="subject"
aria-describedby="subject" placeholder="Enter Subject..." required>
                <small id="subjectHelp" class="form-text text-muted">The title of your
Email.</small>
            </div>
            <div class="form-group">
                <label for="contentLabel">Content</label>
                <textarea class="form-control" style="resize: none;" name="content"
id="content" aria-describedby="content" placeholder="Enter Content..." rows="3"
required></textarea>
            </div>


            <div class="form-group">
                <button type="submit" class="btn btn-primary" style="width: 100%">Send
Email</button>
            </div>
        </form>
    </div>
    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>
    <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"
integrity="sha384-9/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN"
crossorigin="anonymous"></script>
    <script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"
integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV"
crossorigin="anonymous"></script>
</body>

</html>
```

Screenshots:

Mailer

Send Mails in a jiffy!

Sender

rajeshrank@rediffmail.com

Enter Your Email Address. (eg: john.steve@gmail.com)

Receiver

krunalrank0609@gmail.com

Enter Receiver's Email Address. (eg: john.steve@gmail.com)

CC

u18co081@coed.svnit.ac.in

Enter CC's Email Address. (Use ';' to enter more than 1 Email Address) (Note: Carbon Copy Email Receivers can see who others were sent this Email.)

BCC

Enter BCC's Address...

Enter CC's Email Address. (Use ';' to enter more than 1 Email Address) (Note: Blind Carbon Copy Email Receivers can-not see who others were sent this Email.)

Subject

Hey There | Krunal Rank

The title of your Email.

Content

This is Krunal Rank and it's a test mail.

Regards,
Krunal Rank

Send Email

Send Mails in a jiffy!

Email Sent Successfully!
Details for your Email:
Sender:- rajeshrank@rediffmail.com
Receiver:- krunalrank0609@gmail.com
CC:-
u18co081@coed.svnit.ac.in
BCC:-
krunalhero@gmail.com
Subject:- Hey There | Krunal Rank

Sender

Enter Your Email Address...

Enter Your Email Address. (eg: john.steve@gmail.com)