9. Secure your PHP applications from common vulnerabilities like Injection, XSS, Session hijacking and fixation, and other exceptions.

admin.php

```php
<?php

session_start();


echo "Session ID: " .session_id() . "<hr/>";


if(!isset($_SESSION["admin"]))


{
```

```php
echo "<h1 style='color: red;'>You are not authorized to view this page.</h1>

<a href='index.php'>Back to login</a>";


}


else


{


 echo "<h2>You are logged in as " . $_SESSION["admin"]["user"] . " and you have been


granted access.</h2>";


echo "<a href='logout.php'>Logout</a>";


}
```

………………………………………………………………………………..

Index.php

```php
<?phpsession_start(); ?>


<?php
if(isset($_SESSION["admin"]))

{
header("Location: admin.php");


exit();
```

```php
}




if(isset($_POST["username"], $_POST["password"]))




{




$username = htmlentities($_POST["username"]);
   $password = htmlentities($_POST




["password"]);




if($username == "Muneera" && $password == "Muneera")




{
    //session_regenerate_id(true);  //uncomment this line for improved session security


  $_SESSION["admin"] = array(
      "user" => $username,
    );




header("Location: admin.php");




exit();




}
 else
```

```php
{

echo "<div style='color: red'>Incorrect username / password.</div>"; }

}

?>

<!DOCTYPE

html>

<html>

<head>

<meta charset="utf-8">

<title>Login</title>

</head>

<body>

<?php

echo "Session ID: " .session_id(); ?><hr/>

<form method="post">

<p>Username: <input

type="text" name="username" /></p>

<p>Password: <input type="password"

name="password" /></p>

<input type="submit" value="Login" />

</form>

</body>

</html>
```
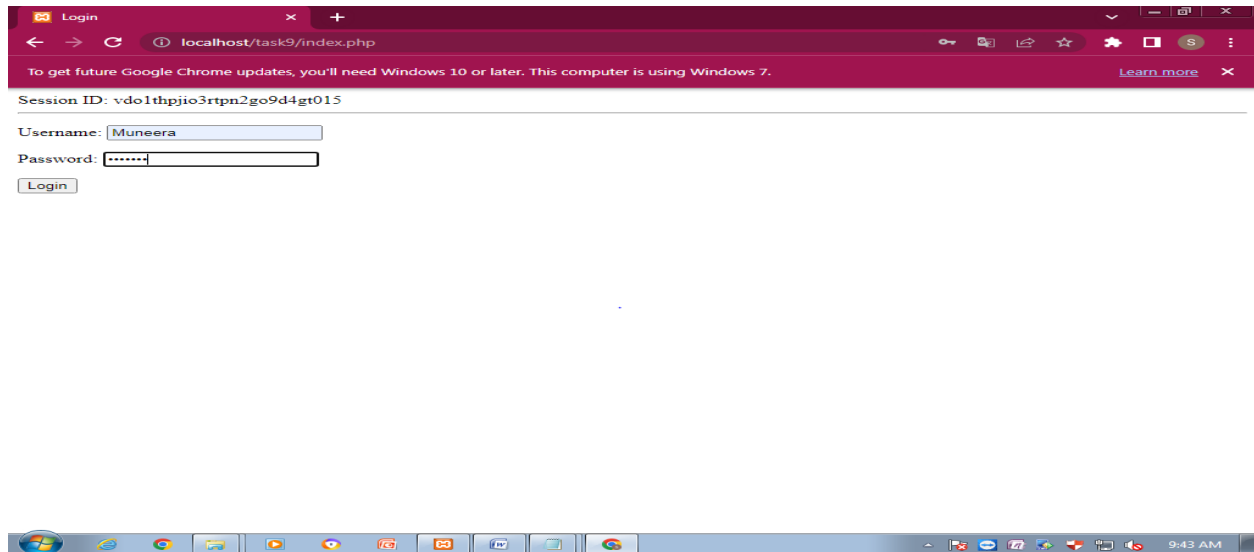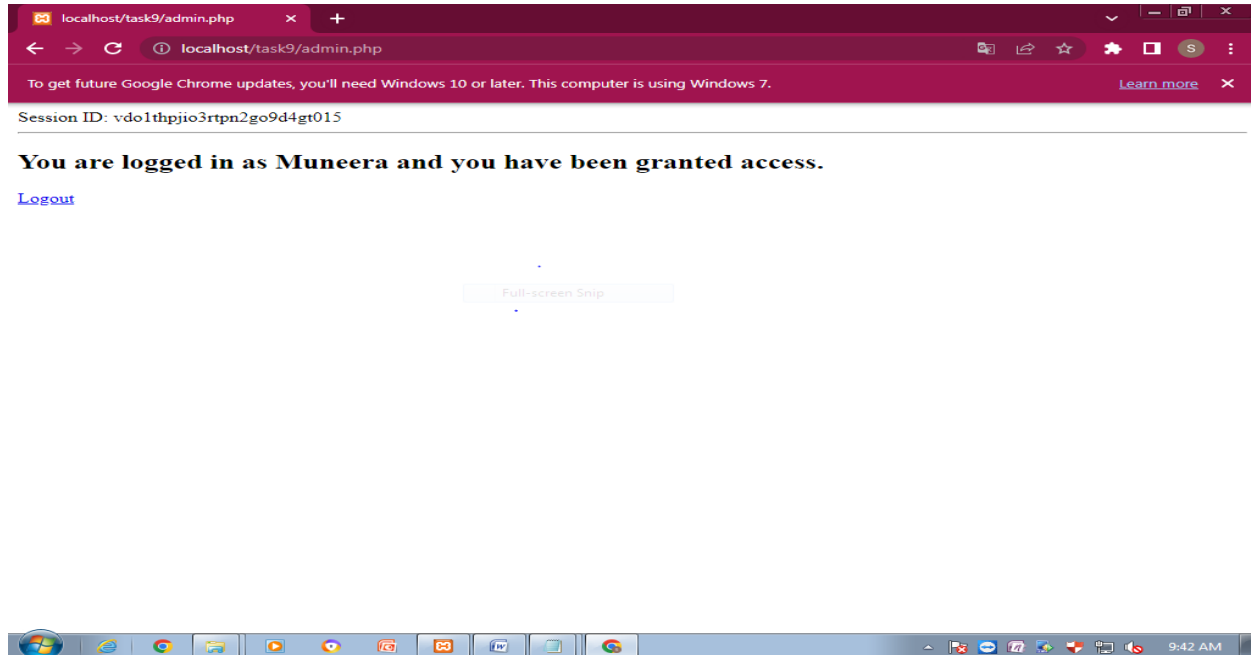
………

logout.php

```php
<?php

session_start();

//session_regenerate_id(true);  //uncomment this line for improved session security

session_unset();

session_destroy();

header("Location: index.php");

exit();
```

……………………………………….…………..

Output:

10.Design a Administrator Portal through which administrator can be able to upload student data into the database, Download the student data, Generate certificates, etc.

Index.php

```php
<?php

header('content-type:image/jpeg');

$font=realpath('arial.ttf');

$image=imagecreatefromjpeg("format.jpg");

$color=imagecolorallocate($image, 51, 51, 102);

$date=date('d f, y');

imagettftext($image, 18, 0, 880, 188, $color, $font, $date);

imagejpeg($image);
```