

**MAHARASHTRA STATE
BOARD OF TECHNICAL EDUCATION**



GOVERNMENT POLYTECHNIC, NANDED



SAI INFOTECH SHRINAGAR , NANDED.

Industrial Training Report

Academic year: 2020-21

Program: INFORMATION TECHNOLOGY

Program code: IF5I

Course: ITR

Course code: 22049

Guided By: Mr. B. K. Bokare Sir



MAHARASHTRA STATE

BOARD OF TECHNICAL EDUCATION

Certificate

This is to certify that Harsh Zanwar of 5th Semester of Diploma in INFORMATION TECHNOLOGY of Institute, **GOVERNMENT POLYTECHNIC NANDED** has completed the **Industrial Training** in Subject- Hardware maintenance & Web Development for the academic year 2020- 2021 as prescribed in the curriculum.

Place: Nanded

Date:

Subject Teacher

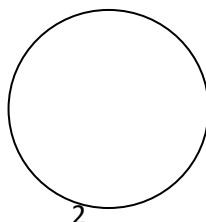
Mr.B.K.Bokare

Head of the Department

Mr.S.N.Dhole

Principal

Dr.G.V.Garje



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Abstract

This industrial training report presents the experience generated during forty days of industrial training undertaken at Sai Infotech, Nanded.

My training was on hardware maintenance during this period. I acquired practical knowledge on how to solve networking problems.

This report discusses the technical skill gain during the training period and justifies the relevant scheme in equipping students with needed technical competence to thrive in the real world.

Acknowledgement:-

It gives me a great sense of pleasure to present the report of industrial training undertaken during 4th semester summer vacations . We special depth of gratitude to our mentor Mr. Dhole sir for constant guidance and support through the training

We also take the acknowledge the contribution of service manager of industry Mr. Rohit sir for giving permission for the training and give guidance on time whole staff of sai infotech also guide and help us to complete the 4 week training .

Introduction Of Industry:-

Sai Infotech Computer Education Centre in Nanded. Computer Training Institutes with Address, Contact Number, Photos, Maps. View Sai Infotech Computer Education Centre, Nanded on Justdial. Since 2001, Sai Infotech Computer Education Centre in shrinager , Nanded has been offering professional training to students.

It specialises and is well-known for training students as well as working professionals in accounting, web designing, programming languages, hardware and networking.

It is run and managed by a seasoned professionals who leads a team of educators and trainers having relevant domain expertise. At this institution, one can get trained in the subject of their choice by opting from a wide range of courses. These easy-to-follow courses are primarily aimed at students, working professionals as well as IT professionals who want to enhance their knowledge and further their career prospects. Undoubtedly it is one of the best computer training institutes in shrinager Nanded.

Services Offered at Sai Infotech Computer Education Centre:-

Sai Infotech Computer Education Centre in shrinager offers short-term courses and certificate courses. Inclusive of comprehensive learning, the long-term programmes feature subjects such as web development, financial accountancy, computer application and programming, information technology, multimedia and web-designing.

Some of the short-term courses cover topics like Windows XP, 7, 8, 10, Vista, MS Office, DTP (Desk Top Publishing), Web Designing, Multimedia, Tally ERP 9, C, C++ , and Visual Basic. Walk into this centre all through the week between 07:30 - 20:00. Pay in Cash.

Please scroll up to view the address and contact details of Sai Computer Education Centre in , Nanded

Mission of Industry:-

The Sai infotech is committed to provide a highly profitable , socially responsible environment friendly sustained growth in profit and market share in all products through superior services and commitment

Vision of industry:-

To make life easy by connecting through the internet and networking groups.

Products availability in industry:-

- 1.LED Monitors
- 2.Wireless mouses & keyboards
- 3.Switches & Routers
- 4.Other Networking Devices

Services provided :-

- 1) Sales networking products ,all computer Spare parts..
- 2) Web Development (PHP,HTML,CSS and Database)
- 3) Solve networking problems

Turnover of industry :-

Approximately:

Spare part section

1-purchasing 10 lakh

2-sale 12-13 lakh

Service section: 25-30 lakh

Practical Experiences in Industry

- 1) There are various experiences in industry when setting networks in various places & while its maintainance .
- 2) Learn Develop web development

Following are the hardware components we learn:

Power Supply: -

The power supply converts the alternating current (AC) from your mains (110V input or 220V input) to the direct current (DC) needed by the computer 2 . In a PC, the power supply is the metal box usually found in a corner of the case. The power supply is visible from the back of many systems because it contains the power-cord receptacle and the cooling fan. Power supplies - often referred to as switching power supplies, use switcher technology to convert the AC input to lower DC voltages. The typical voltages produced are: •3.3 volts, •5 volts, •12 volts



Motherboard:

The motherboard is the key circuit board holding the essential processing parts of a computer. It allows all the parts of your computer to **receive power and communicate with one another**. It is usually screwed to the case along its largest face, which could be the bottom or the side of the case depending on the form factor and orientation. The **form factor** describes the shape and layout of the motherboard. It affects where individual components go and the shape of the computer's case. Attached directly to the motherboard are the CPU, RAM, expansion cards, networking, video, and audio components.



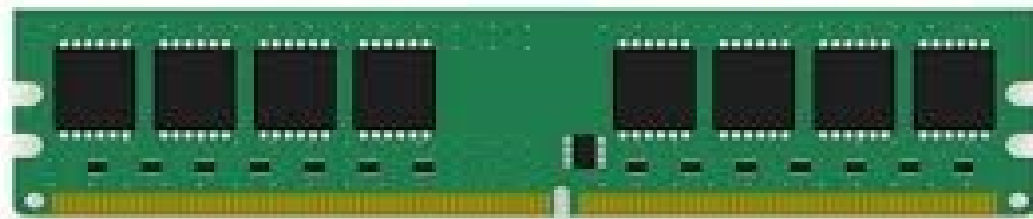
RAM Memory:

Random access memory (RAM) is a series of small cards or modules plugged into slots on the motherboard. The CPU can request any data in RAM. It is then located, opened, and delivered to the CPU for processing in a few billionths of a second. Since all the contents of RAM are erased when you turn off the computer, RAM is the temporary or **volatile** storage location for the computer.

How Much RAM do you need?

The amount of RAM actually sitting on memory modules in your computer is your computer's **physical memory**. The memory that your operating system uses is referred to as **kernel memory**. To determine how much RAM your computer needs, look at the memory requirements for each program and add them up.

- You need RAM for the operating system, application software, and data. If your system responds slowly or accesses the hard drive constantly, then you need to add more RAM



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Experiance

1-Formatting steps:

1. Backup any important data. ...
2. Insert your Windows installation disc. ...
3. Set your **computer** to boot from the installation drive. ...
4. Start the setup process. ...
5. Select a "Custom" installation. ...
6. Select the partition you want to **format**. ...
7. **Format** the selected partition. ...
8. Install your operating system.

2-partioning of hard disk

Steps

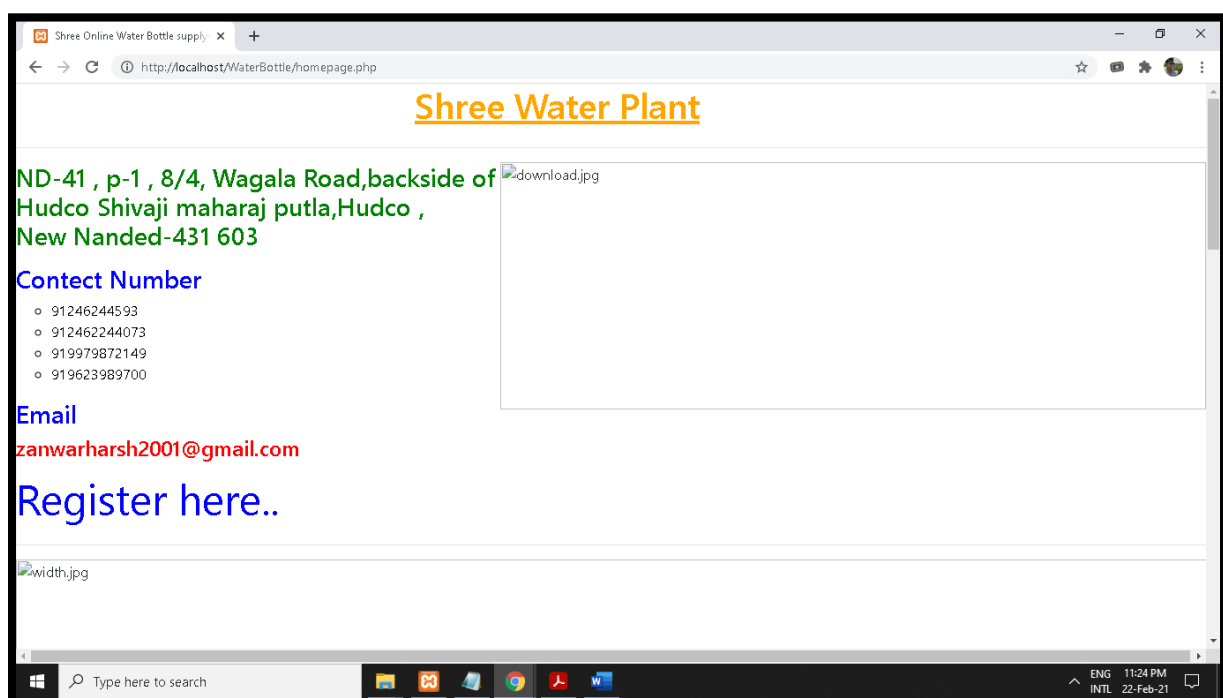
1. Open the Computer Management tool. Open the Start menu. ...
2. Select the Disk Management tool. ...
3. Make some space for the new **partition**. ...
4. Shrink the drive. ...
5. Create a new volume. ...
6. The New Simple Volume Wizard. ...
7. Enter size of new **partition**. ...
8. Give the new volume a letter name or path.

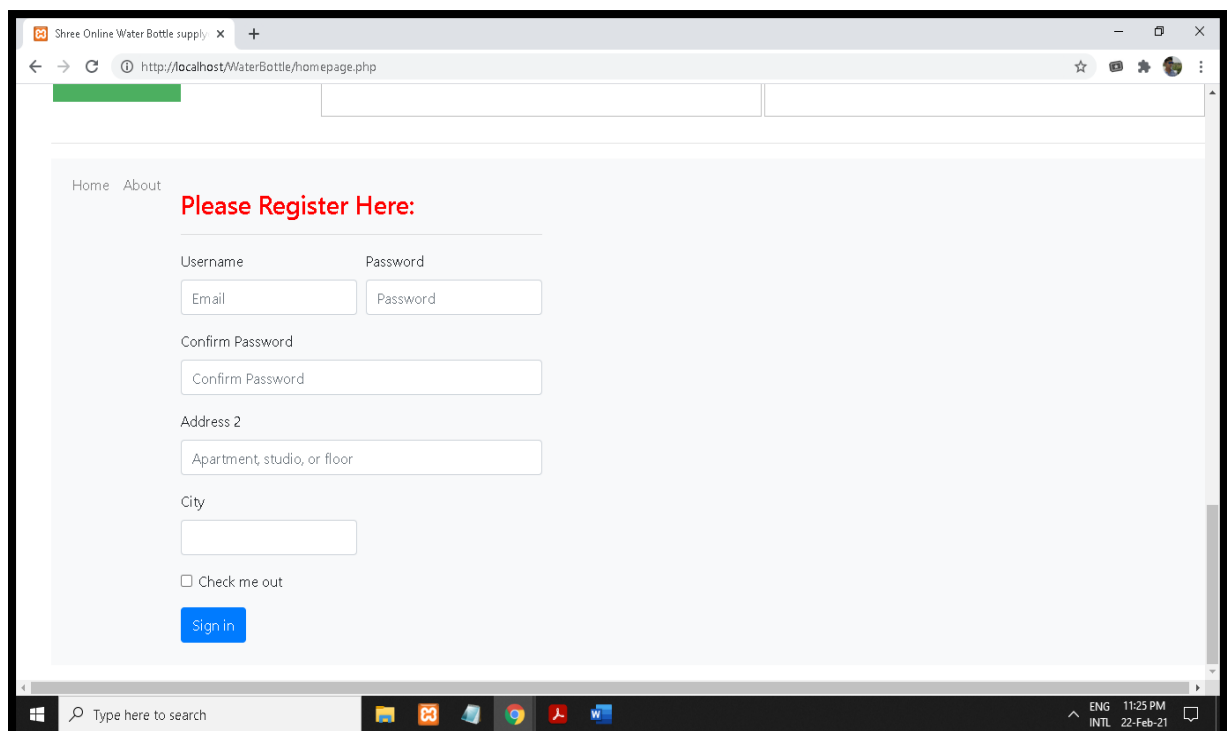
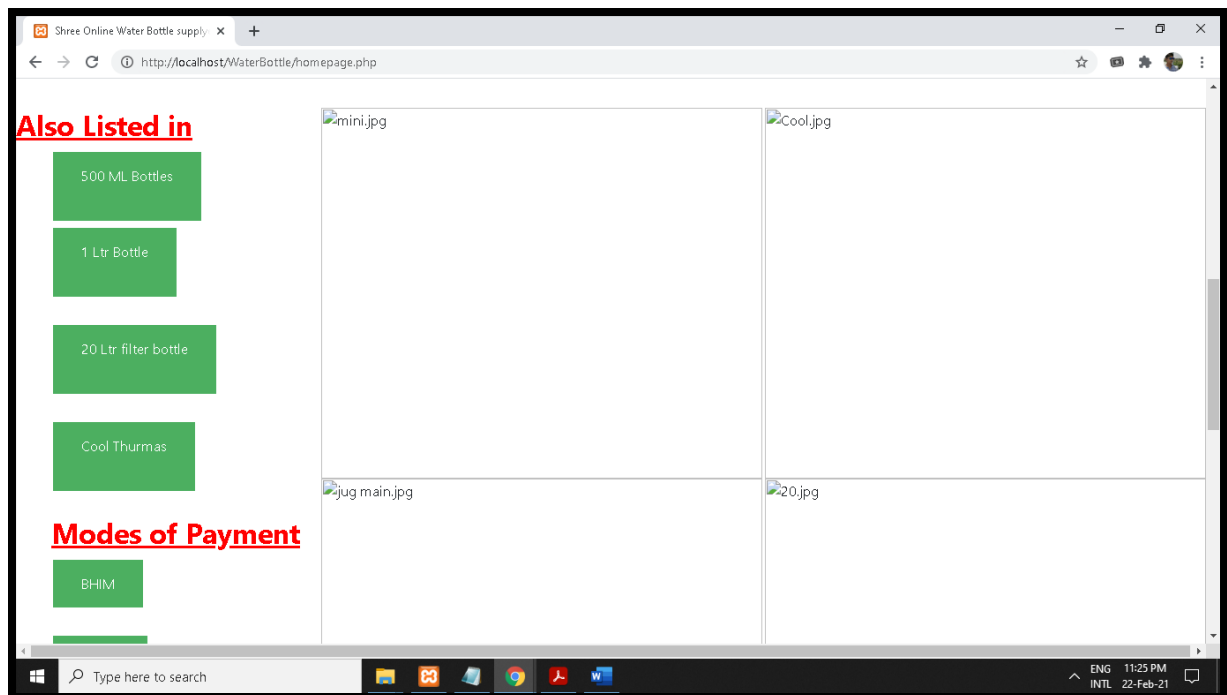
Project done at the end of training:

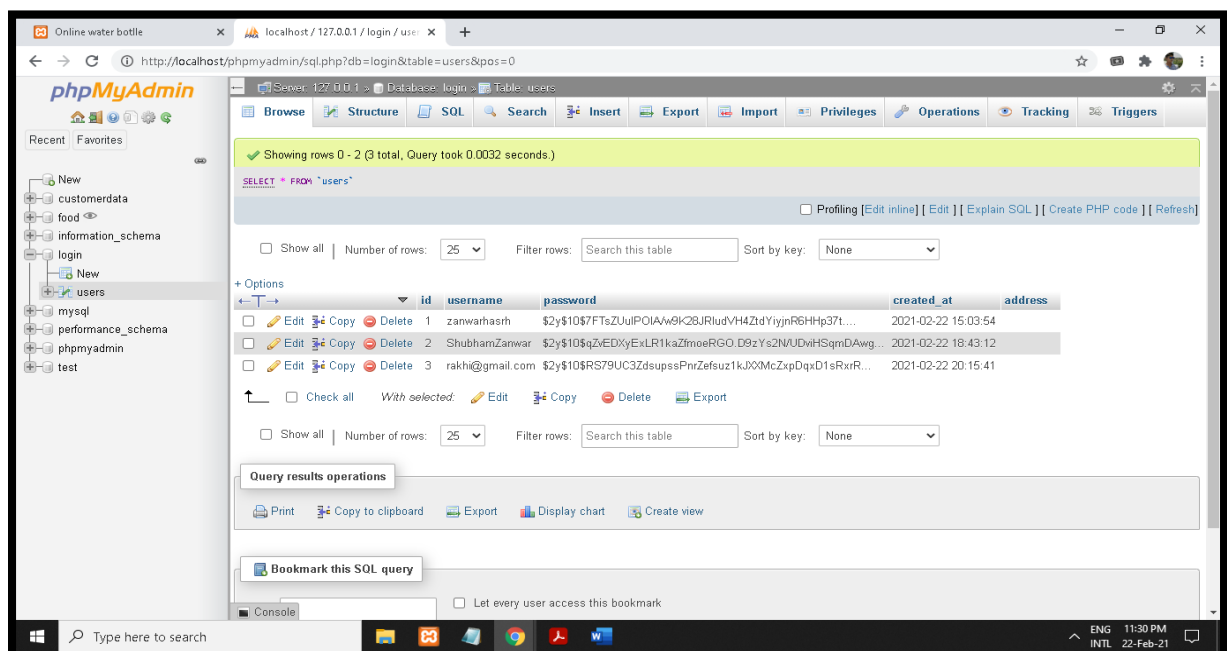
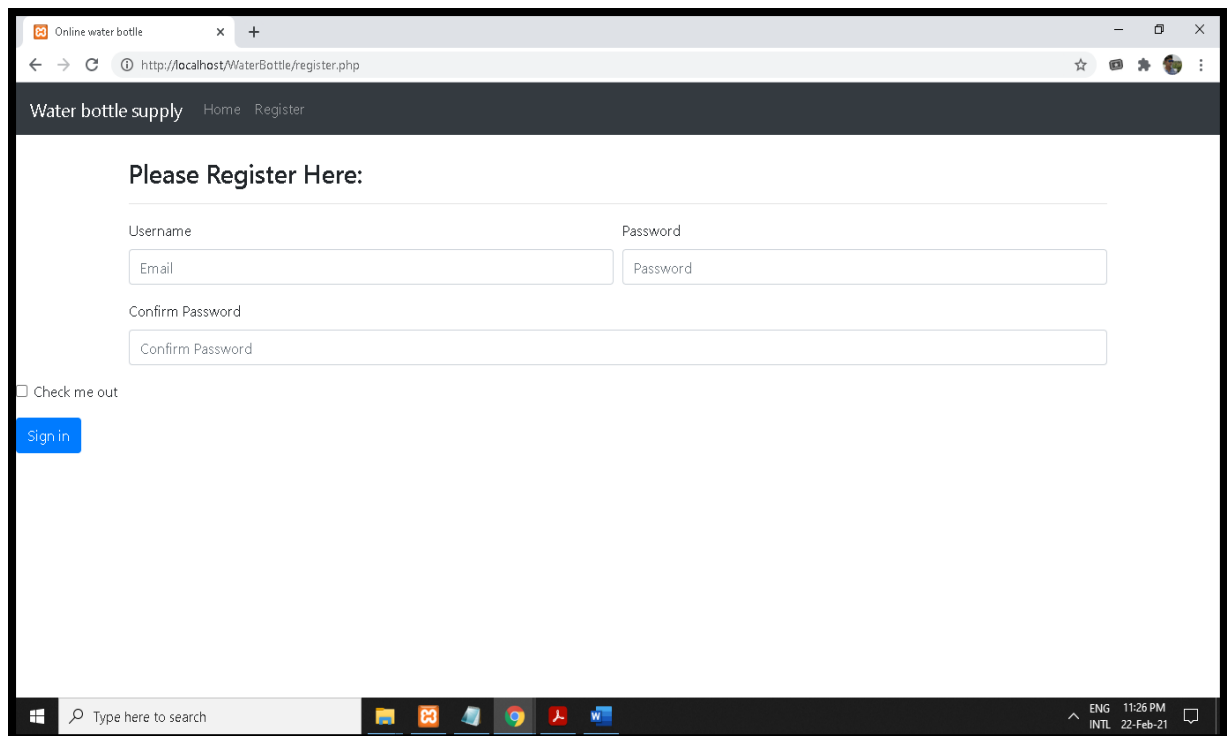
I projected in web development. I have create one website specially use for this two language PHP, Html and using Mysql database in backend . website name is Online Water Bottle Supplier.

This Software is required

- 1) Visual studio code
- 2) XAMPP Control Panel (MYSQL , Apache)
- 3) Browser







Source code:-

```
<html>

<head>

<title>Shree Online Water Bottle supplier</title>

</head>

<body bgcolor="Green">

<marquee><h1 style="color:orange" ><u style="color:yellow">Shree Water Plant</u></b>
<width="320" height="100" border="2" color="yellow"><br></marquee>

<hr>




<h3 style="color:Green">    ND-41 , p-1 , 8/4, Wagala Road,backside of Hudco Shivaji maharaj
putla,Hudco , <br>New Nanded-431 603

<br></p>

<h3 style="color:blue">Contect Number</h3>

<ul type="circle" style="color:Black">

<li>91246244593</li>

<li>912462244073</li>

<li>919979872149</li>

<li>919623989700</li>

</ul>

<h3 style="color:blue">Email</h3>

<h4 style="color:red">zanwarharsh2001@gmail.com</h4>

<font size=10><a href="http://localhost/WaterBottle/register.php" style="color:blue" >Register
here..</a><br></font>

<hr>



<hr>
```

```

<html>

<head>

<title>IF2I</title>

<style>

.button {

    background-color: #4CAF60;

    border: none;

    color: white;

    padding: 15px 32px;

    text-align: center;

    text-decoration: none;

    display: inline-block;

    font-size: 16px;

    margin: 4px 2px;

    cursor: pointer;

}

</style>

</head>

<body><br><br>









<h2 style="color:red"><b><U>  Also Listed in</U></b></h2>

<ol>

```

500 ML Bottles

1 Ltr Bottle

20 Ltr filter bottle

Cool Thurmas

<h2 style="color:red"><U>Modes of Payment</U></h2>

 BHIM

Paytm

Credit Card

Debit Cards

<hr>

</body>

</html>

<!doctype html>

<html lang="en">

<head>

<!-- Required meta tags -->

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

```

<!-- Bootstrap CSS -->

<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css" integrity="sha384-
ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"
crossorigin="anonymous">

<title>Online water bottle</title>

</head>

<body>

<nav class="navbar navbar-expand-lg navbar-light bg-light">

<button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarNavDropdown" aria-controls="navbarNavDropdown" aria-expanded="false" aria-
label="Toggle navigation">

<span class="navbar-toggler-icon"></span>

</button>

<div class="collapse navbar-collapse" id="navbarNavDropdown">

<ul class="navbar-nav">

<li class="nav-item ">

<a class="nav-link" href="homepage.php">Home <span class="sr-only">(current)</span></a>

</li>

<li class="nav-item">

<a class="nav-link" href="register.php">About</a>

</li>

</ul>

</div>

<div class="container mt-4">

<h3 style="color:red">Please Register Here:</h3>

<hr>

```

```

<form action="" method="post">

  <div class="form-row">

    <div class="form-group col-md-6">

      <label for="inputEmail4">Username</label>

      <input type="text" class="form-control" name="username" id="inputEmail4"
placeholder="Email">

    </div>

    <div class="form-group col-md-6">

      <label for="inputPassword4">Password</label>

      <input type="password" class="form-control" name="password" id="inputPassword4"
placeholder="Password">

    </div>

  </div>

  <div class="form-group">

    <label for="inputPassword4">Confirm Password</label>

    <input type="password" class="form-control" name="confirm_password" id="inputPassword"
placeholder="Confirm Password">

  </div>

  <div class="form-group">

    <label for="inputAddress2">Address 2</label>

    <input type="text" class="form-control" id="inputAddress2" placeholder="Apartment, studio, or
floor">

  </div>

  <div class="form-row">

    <div class="form-group col-md-6">

      <label for="inputCity">City</label>

      <input type="text" class="form-control" id="inputCity">

    </div>

  </div>

</div>

```

```

<div class="form-group">

    <div class="form-check">

        <input class="form-check-input" type="checkbox" id="gridCheck">

        <label class="form-check-label" for="gridCheck">

            Check me out

        </label>

    </div>

</div>

<button type="submit" class="btn btn-primary">Sign in</button>

</form>

</div>

</body>

</html>

```

Registration page

```

<?php

require_once "config.php";

$username = $password = $confirm_password = "";
$username_err = $password_err = $confirm_password_err = "";

if ($_SERVER['REQUEST_METHOD'] == "POST"){

    // Check if username is empty
    if(empty(trim($_POST["username"]))){
        $username_err = "Username cannot be blank";
    }

    else{

        $sql = "SELECT id FROM users WHERE username = ?";

```

```

$stmt = mysqli_prepare($conn, $sql);
if($stmt)
{
    mysqli_stmt_bind_param($stmt, "s", $param_username);

    $param_username = trim($_POST['username']);

    if(mysqli_stmt_execute($stmt)){
        mysqli_stmt_store_result($stmt);
        if(mysqli_stmt_num_rows($stmt) == 1)
        {
            $username_err = "This username is already taken";
        }
        else{
            $username = trim($_POST['username']);
        }
    }
    else{
        echo "Something went wrong";
    }
}

mysqli_stmt_close($stmt);

```

```

if(empty(trim($_POST['password']))) {
    $password_err = "Password cannot be blank";
}
elseif(strlen(trim($_POST['password'])) < 5) {
    $password_err = "Password cannot be less than 5 characters";
}
else {
    $password = trim($_POST['password']);
}

if(trim($_POST['password']) != trim($_POST['confirm_password'])) {
    $password_err = "Passwords should match";
}

if(empty($username_err) && empty($password_err) && empty($confirm_password_err))
{
    $sql = "INSERT INTO users (username, password) VALUES (?, ?)";
    $stmt = mysqli_prepare($conn, $sql);
    if ($stmt)
    {
        mysqli_stmt_bind_param($stmt, "ss", $param_username, $param_password);

        // Set these parameters
        $param_username = $username;
        $param_password = password_hash($password, PASSWORD_DEFAULT);

        // Try to execute the query
        if (mysqli_stmt_execute($stmt))

```



```

    {
        header("location: .php");
    }
    else{
        echo "Something went wrong... cannot redirect!";
    }
}

mysqli_stmt_close($stmt);
}
mysqli_close($conn);
}

?>

<!doctype html>
<html lang="en">
<head>

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
integrity="sha384-
ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"
crossorigin="anonymous">

    <title>Online water bottle</title>

</head>

```

```

<body>

<nav class="navbar navbar-expand-lg navbar-dark bg-dark">

<a class="navbar-brand" href="#">Water bottle supply</a>

<button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarNavDropdown" aria-controls="navbarNavDropdown" aria-expanded="false"
aria-label="Toggle navigation">

    <span class="navbar-toggler-icon"></span>

</button>

<div class="collapse navbar-collapse" id="navbarNavDropdown">

<ul class="navbar-nav">

    <li class="nav-item ">

        <a class="nav-link" href="file:///C:/xampp/htdocs/WaterBottle/homepage.html">Home
<span class="sr-only">(current)</span></a>

    </li>

    <li class="nav-item">

        <a class="nav-link" href="homepage.html">Register</a>

    </li>

</ul>

</div>

</nav>

<div class="container mt-4">

<h3>Please Register Here:</h3>

<hr>

<form action="" method="post">

<div class="form-row">

    <div class="form-group col-md-6">

        <label for="inputEmail4">Username</label>

```

```

    <input type="text" class="form-control" name="username" id="inputEmail4"
placeholder="Email">

</div>

<div class="form-group col-md-6">

    <label for="inputPassword4">Password</label>

    <input type="password" class="form-control" name="password" id="inputPassword4"
placeholder="Password">

</div>

</div>

<div class="form-group">

    <label for="inputPassword4">Confirm Password</label>

    <input type="password" class="form-control" name="confirm_password"
id="inputPassword" placeholder="Confirm Password">

</div>

</div>

<div class="form-group">

    <div class="form-check">

        <input class="form-check-input" type="checkbox" id="gridCheck">

        <label class="form-check-label" for="gridCheck">

            Check me out

        </label>

    </div>

</div>

<button type="submit" class="btn btn-primary">Sign in</button>

</form>

</div>

```

```
</body>
```

```
</html>
```

Configuration with Mysql:-

```
<?php
```

```
define('DB_SERVER', 'localhost');
```

```
define('DB_USERNAME', 'root');
```

```
define('DB_PASSWORD', '');
```

```
define('DB_NAME', 'login');
```

```
$conn = mysqli_connect(DB_SERVER, DB_USERNAME, DB_PASSWORD, DB_NAME);
```

```
if($conn == false){
```

```
    die('Error: Cannot connect');
```

```
}
```

```
?>
```