

TASK – 1

CODE –

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
</head>
<body>
  <h3>Personal Info form</h3>
  <label for="name">first name</label>
  <input type="text" value="">
  <input type="button" value="submit"><br>
  <label for="email">e-mail</label>
  <input type="text" placeholder="email">
  <input type="button" value="submit"><br>
  <label for="password">password</label>
  <input type="password" value="" placeholder="password">
  <input type="button" value="submit"><br>
  <p>which sport do u want to play?</p>
  <input type="radio" value="cricket" name="sport">cricket
  <input type="radio" value="chess" name="sport">chess
  <input type="radio" value="basketball" name="sport">basketball
  <input type="radio" value="hockey" name="sport">hockey
  <input type="button" value="submit here"><br>
  <p>which language do u know?</p>
  <input type="checkbox" value="hindi" name="language">hindi
  <input type="checkbox" value="french" name="language">french
  <input type="checkbox" value="english" name="language">english
  <input type="button" value="submit here"><br>
  <p>select your home state</p>
  <select name="home state" id="state">
    <option value="Uttar Pradesh">Uttar Pradesh</option>
    <option value="Punjab">Punjab</option>
    <option value="Haryana">Harayana</option>
    <option value="Gujrat">Gujrat</option>
    <option value="Bihar">Bihar</option>
  </select>
  <input type="button" value="submit here">

</form>

</body>
</html>
```

OUTPUT –

← → ↻ 📄 127.0.0.1:5500/1/forms.html

📱 Apps 📧 Gmail 📺 YouTube 📍 Maps

Personal Info form

first name

e-mail

password

which sport do u want to play?

☐ cricket ☐ chess ☐ basketball ☐ hockey

which language do u know?

☐ hindi ☐ french ☐ english

select your home state

TASK – 2

CODE –

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <link rel="stylesheet" href="front2.css">
</head>
<header class="tm-header">
  <div class="tm-head">
    
    <div class="tm-list">
      <nav class="tm-nav">
        <ul class="tm-listitem">
          <div class="listitem"><a href="hostel.html" target="_blank"><li>hostel
</li></a></div>
          <div class="listitem"><a href="faculty.html" target="_blank"><li>facul
ty</li></a></div>
          <div class="listitem"><a href="timetable.html" target="_blank"> <li>ti
metable</li></a></div>
          <div class="listitem"><a href="aboutus.html" target="_blank"><li>about
us</li></a></div>
          <div class="listitem"><a href="contacts.html" target="_blank"> <li>con
tacts</li></a></div>
        </ul>
      </nav>
    </div>
  </div>
</header>
<div class="tm-body">
  <body>
    <section class="tm-section">
      <h1 class="mainclass"><strong>indian institute of information technology ,
sonepat , haryana</strong></h1>
      
      
    </section>
    <article>

      <h1>indian institute of information technology , sonepat</h1>
```

```

        <p>Indian Institute of Information Technology, Sonapat (IIIT, Sonapat), is one
of the Indian Institutes of Information Technology located at Sonipat in Haryana state of
India. It is a joint venture of the Ministry of Human Resource Development, Government of
India, the Government of Haryana, with industries in Public-
Private Partnership model and has been declared as the Institute of national importance. T
he academic session of IIIT Sonapat started from its mentor Institute National Institute o
f Technology, Kurukshetra from year 2014.</p>
        <h1>history</h1>
        <p>On 18 March 2013, Ministry of Human Resource Development, Government of Ind
ia introduced a bill in the Parliament to establish 20 new Indian Institute of Information
Technology's in different parts of the Country. As per the bill, MHRD will establish the
20 new IIITs under the Public Private Partnership (PPP) mode partnering with respective st
ate governments and industry partners.[4] The new IIITs are envisaged to be Institutes of
National Importance. Aimed at generating highly competent manpower of global standards for
the Information Technology Industry, the institutes are also expected to act as major cat
alyst to develop new knowledge in the field of Information Technology.[3]
        Indian Institute of Information Technology -
        Sonipat, Haryana is amongst 20 new IIITs approved by MHRD and started to intake students
from 2014.</p>
        <h1>admissions</h1>
        <p>The admission to IIIT Sonapat is through the Joint Seat Allocation Authorit
y. The students are allotted admission by JosAA based on their Joint Entrance Examination
(JEE-
Main) ranks. The Indian Institute of Information Technology, Sonapat, Haryana is listed in
the JosAA website under List of participating institutes in Indian Institute of Informati
on technology(IIIT)</p>
        <h1>academic programs</h1>
        <p>The Institute presently offers B.Tech in Information Technology (IT) and Co
mputer Science and Engineering (CSE).The Institute currently admits 60 students for each b
ranch[7].The classes were being held along with the students of National Institute of Tech
nology, Kurukshetra.
        As of 2019, the classes are being held in Indian Institute of Technology D
elhi, Sonipat Campus.</p>
    </article>
    <footer class="tm-footer"><strong>Created By - Prateek Sharma</strong></footer>
</body>
</div>
</html>

```

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Document</title>
    <link rel="stylesheet" href="hostel.css">
</head>
<div class="tm-body">
    <body>
        <h1>hostel at iiit sonapat</h1>
        <h2>images</h2>

```

```

    
    
    <h2>description</h2>
    <p class="list">Presently hostel of IIIT SONEPAT is being functional in IIT DELHI
TECHNOPARK campus. <br>
    Some key features :
    <ul class="list">
        <li>rooms are two-way sharing.</li>
        <li>24 -hours electricity and water supply.</li>
        <li>centralised air condtioned.</li>
        <li>well connected along with transportation facilities</li>
    </ul>
    </p>
    <h2>fees</h2>
    <p class="list">fees is RS 12000 per month. <br> (note-mess charges included)</p>
</body>
</div>
</body>
</html>

```

```

div.tm-body{
    max-width: 80%;
    margin: 0 auto;
    background-color: white;
    height: 1300px;
}
div.tm-head
{
    max-width: 1200px;
    margin: 0 auto;
    margin-bottom: 30px;
    margin-top: 30px;
    background-color: white;
    padding-top: 10px;
    padding-bottom: 10px;
    background: white
}
div.tm-list{
    float: right;
    width: 75%;
    margin-top: 5px;
    padding-left: 80px;
}
.tm-nav ul li{
    display: inline-block;
    font-size: 20px;
    font-family: sans-serif;
    text-transform: uppercase;
}
.listitem{
    display: inline-block;
    width: 18%;
}


```

```
}  
.image  
{  
    margin-left: 150px;  
}  
a:link{  
    color: black;  
}  
a:hover{  
    color: blue;  
}  
body{  
    background-image: url('images2/pexels-photo-326333.jpeg');  
}  
a:visited{  
    color: black;  
}  
section{  
    padding-left: 100px;  
    padding-top: 30px;  
    background-color: rgba(211, 110, 38, 0.014);  
}  
article{  
    padding-left: 100px;  
    padding-top: 30px;  
    padding-right: 100px;  
}  
.tm-footer{  
    text-transform: capitalize;  
    font-size: medium;  
    text-align: center;  
    margin-top: 50px;  
    word-spacing: 10px;  
}  
p{  
    font-size: medium;  
    word-spacing: 8px;  
    line-height: 25px;  
}  
h1  
{  
    text-transform: capitalize;  
}  
.mainclass{  
    margin-bottom: 30px;  
    text-transform: uppercase;  
    padding-left: 50px;  
    text-decoration: underline;  
}
```



OUTPUT –

← → ↻ 127.0.0.1:5500/2/index.html ☆ 🔍 📄

Apps Gmail YouTube Maps

[HOSTEL](#) [FACULTY](#) [TIMETABLE](#) [ABOUTUS](#) [CONTACTS](#)

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, SONEPAT, HARYANA



Indian Institute Of Information Technology , Sonapat

Indian Institute of Information Technology, Sonapat (IIIT, Sonapat), is one of the Indian Institutes of Information Technology located at Sonapat in Haryana state of India. It is a joint venture of the Ministry of Human Resource Development, Government of India,

← → ↻ 127.0.0.1:5500/2/index.html ☆ 🔍 📄

Apps Gmail YouTube Maps

at Sonapat in Haryana state of India. It is a joint venture of the Ministry of Human Resource Development, Government of India, the Government of Haryana, with industries in Public-Private Partnership model and has been declared as the Institute of national importance. The academic session of IIIT Sonapat started from its mentor Institute National Institute of Technology, Kurukshetra from year 2014.

History

On 18 March 2013, Ministry of Human Resource Development, Government of India introduced a bill in the Parliament to establish 20 new Indian Institute of Information Technology's in different parts of the Country. As per the bill, MHRD will establish the 20 new IIITs under the Public Private Partnership (PPP) mode partnering with respective state governments and industry partners.[4] The new IIITs are envisaged to be Institutes of National Importance. Aimed at generating highly competent manpower of global standards for the Information Technology Industry, the institutes are also expected to act as major catalyst to develop new knowledge in the field of Information Technology.[3] Indian Institute of Information Technology – Sonapat, Haryana is amongst 20 new IIITs approved by MHRD and started to intake students from 2014.

Admissions

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Academic Programs

The Institute presently offers B.Tech in Information Technology (IT) and Computer Science and Engineering (CSE).The Institute currently admits 60 students for each branch[7].The classes were being held along with the students of National Institute of Technology, Kurukshetra. As of 2019, the classes are being held in Indian Institute of Technology Delhi, Sonapat Campus.

Created By - Prateek Sharma

TASK – 3

CODE –

```
!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html lang="en" dir="ltr">
  <head>
    <title>Registration Form</title>
    <link rel="stylesheet" href="AP.css">
  </head>
  <body>
    <div class="ab">
<h1>Create Your Account</h1></div>

    <div>
      <div class="dv">
<form method="post">
  <table width="50%">
    <th><label>First Name</label>
    <input type="text" placeholder="Enter your Firstname here"></th>
    <th><label for="">Last Name</label>
    <input type="text" placeholder="Enter your Lastname here"></th>
  </table>
  <br>
  <br>
  <div>
    <label class="abc"><b>E-mail:</b></label>
<br>
<input type="email" placeholder="Enter your email here">
<br>
<br>
<br>
<br>
<label class="abc"><b>Gender:</b></label>
<input type="radio" name="ab" value="male">Male
<input type="radio" name="ab" value="female">Female
<input type="radio" name="ab" value="others">Others
<br>
<br>
<br>
<br>
<label class="abc"><b>Mobile No:</b></label><br>
<table width="50%">
  <th>
```



```
<select >
  <option>Select</option>
  <option>+91</option>
    <option>+310</option>
      <option>+55</option>
        <option>+1</option>
          <option>+355</option>
            <option>+2</option>
</select></th>
<th>
  <input type="text" placeholder="Enter your Mobile number "></th>
</table>
</div>
<hr>
<table width="30%">
  <th><input type="submit" value="Register"></th>
  <th><input type="reset" value="Clear"></th>
</table>
</form>
</div>
</div>
</body>
</html>
```

OUTPUT —

127.0.0.1:5500/3/2.html

Apps Gmail YouTube Maps

Create Your Account

First Name

Enter your Firstname here

Last Name

Enter your Lastname here

E-mail:

Enter your email here

Gender:

☐ Male

☐ Female

☐ Others

Mobile No:

Select ▾

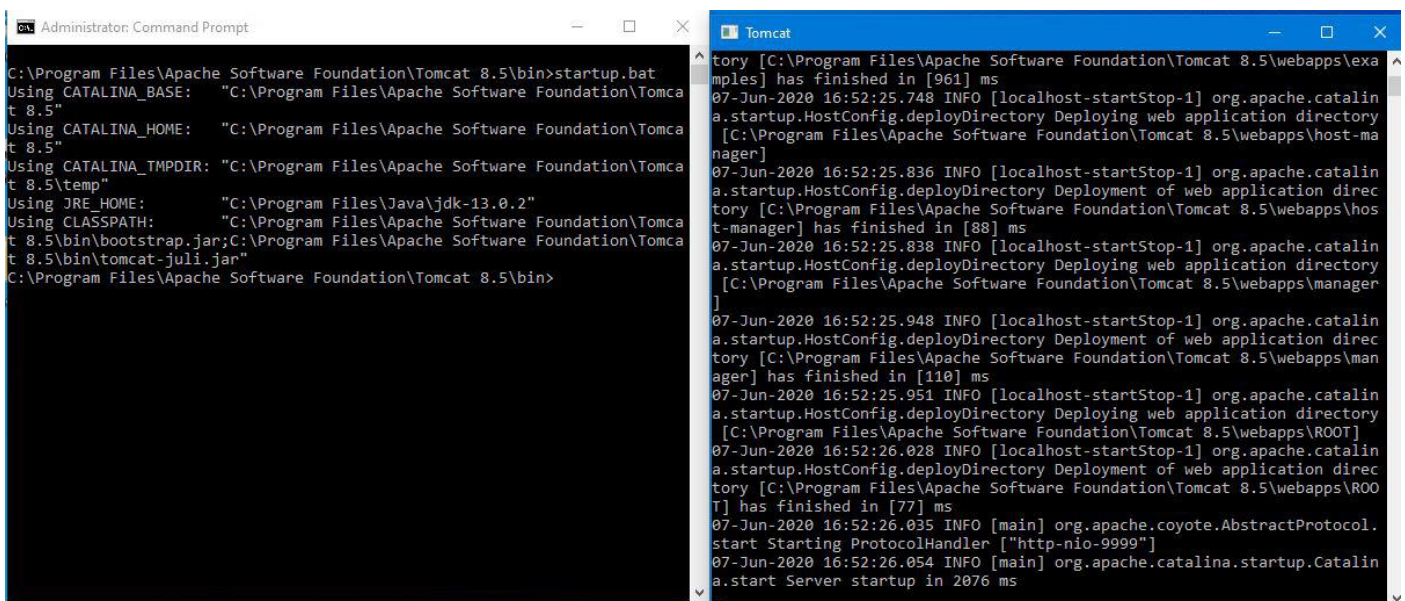
Enter your Mobile number

Register

Clear

TASK – 4

Procedure for setup and configuration of Apache Tomcat server.



```
C:\Program Files\Apache Software Foundation\Tomcat 8.5\bin>startup.bat
Using CATALINA_BASE:  "C:\Program Files\Apache Software Foundation\Tomcat 8.5"
Using CATALINA_HOME:  "C:\Program Files\Apache Software Foundation\Tomcat 8.5"
Using CATALINA_TMPDIR: "C:\Program Files\Apache Software Foundation\Tomcat 8.5\temp"
Using JRE_HOME:        "C:\Program Files\Java\jdk-13.0.2"
Using CLASSPATH:       "C:\Program Files\Apache Software Foundation\Tomcat 8.5\bin\bootstrap.jar;C:\Program Files\Apache Software Foundation\Tomcat 8.5\bin\tomcat-juli.jar"
C:\Program Files\Apache Software Foundation\Tomcat 8.5\bin>
```

```
07-Jun-2020 16:52:25.748 INFO [localhost-startStop-1] org.apache.catalina.startup.HostConfig.deployDirectory Deploying web application directory [C:\Program Files\Apache Software Foundation\Tomcat 8.5\webapps\host-manager]
07-Jun-2020 16:52:25.836 INFO [localhost-startStop-1] org.apache.catalina.startup.HostConfig.deployDirectory Deployment of web application directory [C:\Program Files\Apache Software Foundation\Tomcat 8.5\webapps\host-manager] has finished in [88] ms
07-Jun-2020 16:52:25.838 INFO [localhost-startStop-1] org.apache.catalina.startup.HostConfig.deployDirectory Deploying web application directory [C:\Program Files\Apache Software Foundation\Tomcat 8.5\webapps\manager]
07-Jun-2020 16:52:25.948 INFO [localhost-startStop-1] org.apache.catalina.startup.HostConfig.deployDirectory Deployment of web application directory [C:\Program Files\Apache Software Foundation\Tomcat 8.5\webapps\manager] has finished in [110] ms
07-Jun-2020 16:52:25.951 INFO [localhost-startStop-1] org.apache.catalina.startup.HostConfig.deployDirectory Deploying web application directory [C:\Program Files\Apache Software Foundation\Tomcat 8.5\webapps\ROOT]
07-Jun-2020 16:52:26.028 INFO [localhost-startStop-1] org.apache.catalina.startup.HostConfig.deployDirectory Deployment of web application directory [C:\Program Files\Apache Software Foundation\Tomcat 8.5\webapps\ROOT] has finished in [77] ms
07-Jun-2020 16:52:26.035 INFO [main] org.apache.coyote.AbstractProtocol.start Starting ProtocolHandler ["http-nio-9999"]
07-Jun-2020 16:52:26.054 INFO [main] org.apache.catalina.startup.Catalina.start Server startup in 2076 ms
```

```
<!-- The contents of this file will be loaded for each web application -->
<Context reloadable="true">
```

```
<!-- Default set of monitored resources. If one of these changes, the -->
<!-- web application will be reloaded. -->
<WatchedResource>WEB-INF/web.xml</WatchedResource>
```


Apache Tomcat/8.5.55

localhost:9999


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Apache Tomcat/8.5.55



If you're seeing this, you've successfully installed Tomcat. Congratulations!



Recommended Reading:
[Security Considerations How-To](#)
[Manager Application How-To](#)
[Clustering/Session Replication How-To](#)

[Server Status](#)
[Manager App](#)
[Host Manager](#)

Developer Quick Start
[Tomcat Setup](#)
[First Web Application](#)
[Realms & AAA](#)
[JDBC DataSources](#)
[Examples](#)
[Servlet Specifications](#)
[Tomcat Versions](#)

Managing Tomcat
For security, access to the [manager webapp](#) is restricted. Users are defined in:
\$CATALINA_HOME/conf/tomcat-users.xml
In Tomcat 8.5 access to the manager application is split between different users.
[Read more...](#)
[Release Notes](#)
[Changelog](#)
[Migration Guide](#)

Documentation
[Tomcat 8.5 Documentation](#)
[Tomcat 8.5 Configuration](#)
[Tomcat Wiki](#)
Find additional important configuration information in:
\$CATALINA_HOME/RUNNING.txt
Developers may be interested in:
[Tomcat 8.5 Bug Database](#)
[Tomcat 8.5 JavaDocs](#)

Getting Help
FAQ and Mailing Lists
The following mailing lists are available:

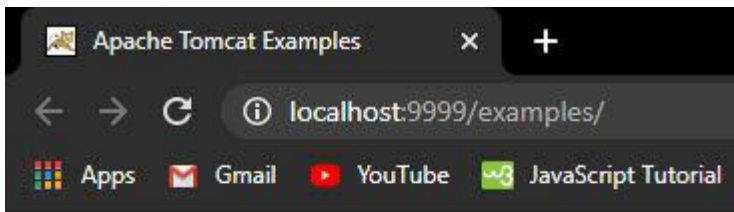
[tomcat-announce](#)
Important announcements, releases, security vulnerability notifications. (Low volume).

[tomcat-users](#)
User support and discussion

[taglibs-user](#)
User support and discussion for [Apache Taglibs](#)

[tomcat-dev](#)
Development mailing list, including commit

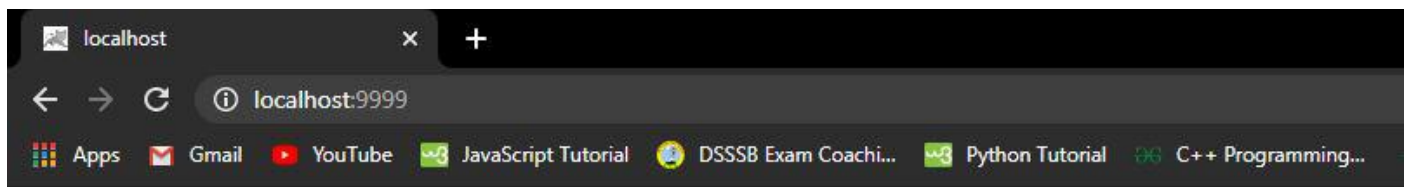
localhost:9999/docs/c



Apache Tomcat Examples

- [Servlets examples](#)
- [JSP Examples](#)
- [WebSocket Examples](#)

```
<!-- A "Connector" represents an endpoint by which requests are received
      and responses are returned. Documentation at :
      Java HTTP Connector: /docs/config/http.html
      Java AJP  Connector: /docs/config/ajp.html
      APR (HTTP/AJP) Connector: /docs/apr.html
      Define a non-SSL/TLS HTTP/1.1 Connector on port 9999
-->
<Connector port="9999" protocol="HTTP/1.1"
           connectionTimeout="20000"
           redirectPort="8443" />
<!-- A "Connector" using the shared thread pool-->
<!--
<Connector executor="tomcatThreadPool"
           port="9999" protocol="HTTP/1.1"
           connectionTimeout="20000"
           redirectPort="8443" />
-->
```



This site can't be reached

localhost refused to connect.

Try:

- Checking the connection
- [Checking the proxy and the firewall](#)

ERR_CONNECTION_REFUSED

Reload

Tomcat 8.5

File Explorer

Address Bar: This PC > Local Disk (C:) > Program Files > Apache Software Foundation > Tomcat 8.5

Search: Search Tomcat 8.5

Name	Date modified	Type	Size
bin	07-06-2020 03:39 PM	File folder	
conf	07-06-2020 03:43 PM	File folder	
lib	07-06-2020 03:39 PM	File folder	
logs	07-06-2020 03:43 PM	File folder	
temp	07-06-2020 03:39 PM	File folder	
webapps	07-06-2020 03:39 PM	File folder	
work	07-06-2020 03:43 PM	File folder	
LICENSE	06-05-2020 03:42 AM	File	57 KB
NOTICE	06-05-2020 03:42 AM	File	2 KB
RELEASE-NOTES	06-05-2020 03:42 AM	File	8 KB
tomcat	06-05-2020 03:42 AM	Icon	22 KB
Uninstall	06-05-2020 03:42 AM	Application	80 KB

TASK – 5

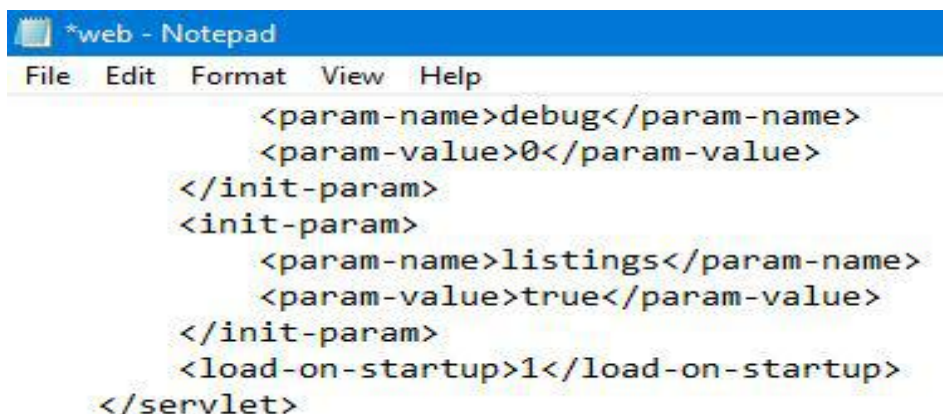
The web.xml Deployment Descriptor file describes how to deploy a web application in a servlet container such as Tomcat.

This file is required for every application you deploy on Tomcat. You will find one in the jsp-examples, servlet-examples and ROOT applications provided on a new Tomcat website, and every web application example you download, including inside WAR files.

The location of the file is always the same: application root/WEB-INF/web.xml

At minimum, the file needs to contain an XML descriptor and an opening and closing <web-app> tag. Open the configuration file "web.xml". We shall enable the directory listing by changing "listings" from "false" to "true" for the "default" servlet.

< param - value > true < / param - value > like :



```
*web - Notepad
File Edit Format View Help
    <param-name>debug</param-name>
    <param-value>0</param-value>
</init-param>
<init-param>
    <param-name>listings</param-name>
    <param-value>true</param-value>
</init-param>
    <load-on-startup>1</load-on-startup>
</servlet>
```


TASK – 6

CODE –

```
<!DOCTYPE html>
<html>
<head>
  <title>Regular Expression</title>
  <center>
    <script type="text/javascript">
      function validate()
      {
        var username=document.getElementById("uname").value;
        var regx=/A00/;
        if(regx.test(username))
        {
          alert("valid username");
        }
        else
        {
          alert("Invalid username");
        }
      }
    </script>
  </center>
</head>
<body>
<form action="message.html">
  <input type="text" id="uname" placeholder="username"/>
  <button onclick="validate()">Submit</button>
</form>

</body>
</html>
```

OUTPUT –



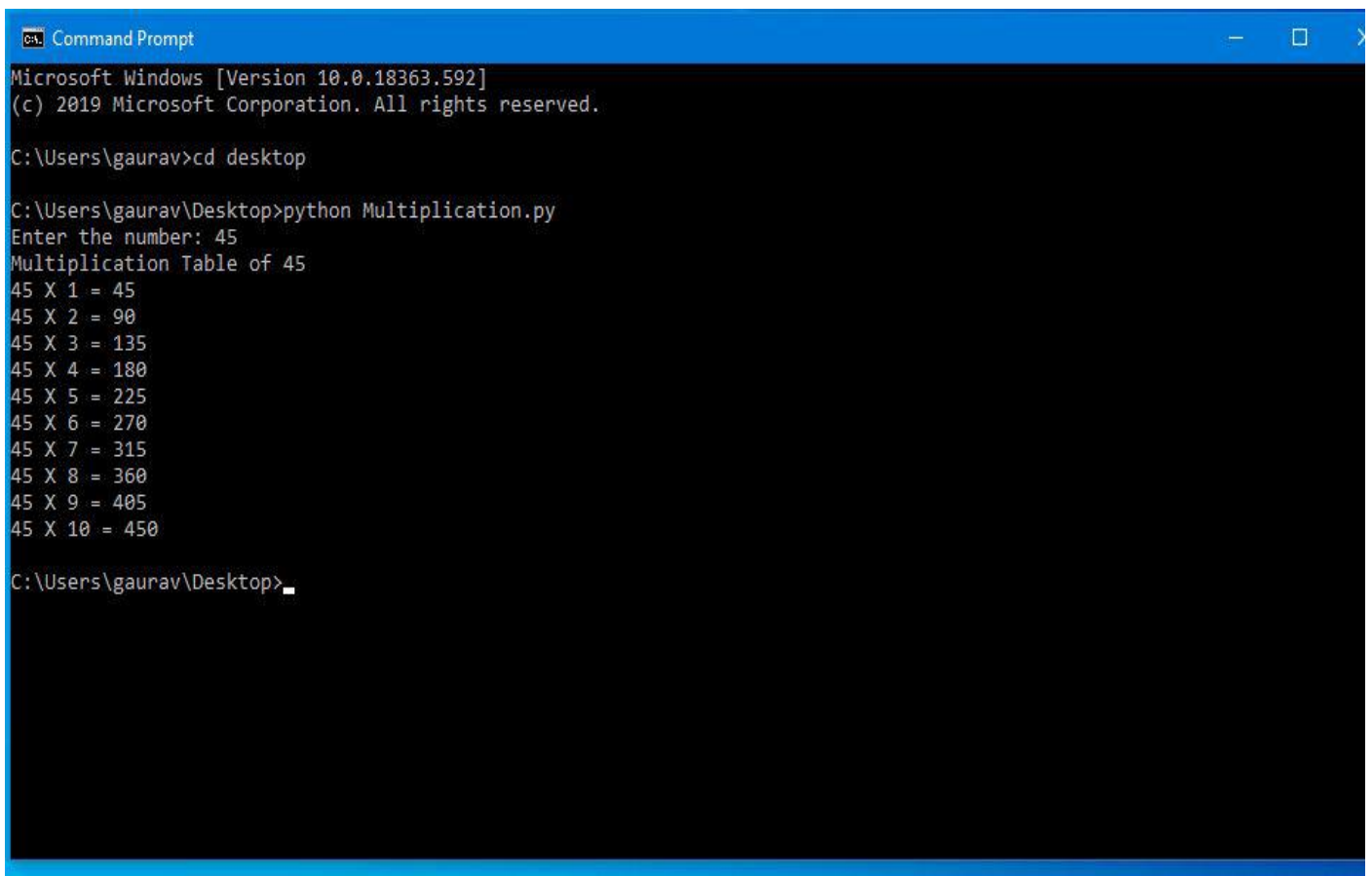
TASK – 7

CODE –

```
#Multiplication Table
num = int(input("Enter the number: "))

print("Multiplication Table of", num)
for i in range(1, 11):
    print(num,"X",i,"=",num * i)
```

OUTPUT –



The screenshot shows a Windows Command Prompt window with a blue title bar. The text inside the window is as follows:

```
C:\> Command Prompt
Microsoft Windows [Version 10.0.18363.592]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\gaurav>cd desktop

C:\Users\gaurav\Desktop>python Multiplication.py
Enter the number: 45
Multiplication Table of 45
45 X 1 = 45
45 X 2 = 90
45 X 3 = 135
45 X 4 = 180
45 X 5 = 225
45 X 6 = 270
45 X 7 = 315
45 X 8 = 360
45 X 9 = 405
45 X 10 = 450

C:\Users\gaurav\Desktop>
```

TASK – 8

CODE –

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <form action="validate.php" method="post">
    name:    <input type="text" name="name"><br><br>
    surname: <input type="text" name="surname"><br><br>
    What's your fav colour : <br>
    red<input type="checkbox" name="color[]" value="red"><br>
    blue<input type="checkbox" name="color[]" value="blue"><br>
    black<input type="checkbox" name="color[]" value="black"><br><br>
    do u play cricket? : <br>
    yes <input type="radio" value="yes" name="ans"><br>
    no <input type="radio" value="no" name="ans"><br>
    in which city u live?
    <select name="city">
      <option value="lko">lucknow</option>
      <option value="knp">kanpur</option>
      <option value="del">delhi</option>
    </select>
    email<input type="email" name="mail"><br><br>
  <br><br>
  <input type="submit" value="submit">
</form>
</body>
</html>
```

```
<?php
if(!empty( $_POST['fname']) && !empty( $_POST['lname'])) {
  $name = $_POST['fname'];
  $sur = $_POST['lname'];
  $m = $_POST['mail'];
  $s = $_POST['sgpa'];
  $te = $_POST['ten'];
  $t = $_POST['twe'];
  $r = $_POST['roll'];
  $b = $_POST['branch'];
  $a = $_POST['ach'];
```

```

}
else{
    echo "enter all fields<br>";
}
filter_var($_POST['mail'],FILTER_VALIDATE_EMAIL);
echo("DETAILS ENTERED </br>");
echo("FIRST NAME : $name </br>");
echo("LAST NAME : $sur </br>");
echo(" E-MAIL : $m </br>");
echo("SGPA : $s</br>");
echo("HIGH SCHOOL PERCENT : $te </br>");
echo("INTERMEDIATE PERCENT : $t </br>");
echo("ROLL NO. : $r</br>");
echo("BRANCH : $b </br>");
echo("ACHIEVEMENTS : $a </br>");
?>

```

OUTPUT –

localhost/tutorials/form.php

Apps Gmail YouTube Maps

name:

surname:

What's your fav colour :

red ☐

blue ☐

black ☐

do u play cricket? :

yes ☐

no ☐

in which city u live? lucknow email

submit