Application programming Lab File

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IT

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Problem-1

Creating an HTML webpage forms

Code -

```
1   <!DOCTYPE html>
2 ▼ <html>
3 ▼ <head>
4 ▼     <style>
5            .error{color: #FF0000;}
6       </style>
7   </head>
8 ▼     <body>
9 ▼        <form name="myform" onsubmit="return(validateForm());" method="post">
10 ▼           <fieldset style="padding-top: 40px;margin-left: 350px;margin-right: 350px; background-color:#d9e8f4">
11               <legend>Registration form</legend>     
12               Name:<input type="text" name="name" >
13               <br><br><br> 
14               Email Id:<input type="email" name="Email">
15               <br><br><br>
16               Institution:<input type="text"
                 name="iname">              
17               <br><br><br>
18               <p>Type a message:</p>
19               <textarea name="message" rows="10" cols="40"></textarea><br><br>
20               <input type="checkbox" name="cbox" required>I agree terms and conditions<br><br> 
21               <input type="submit"
                 >                                   
22               <span class = "error">* marked fields are neccessary to be filled out</span>
23           </fieldset>
24       </form>
25   </body>
26 </html>
```

Output -

Registration form

Name: [   ] *

Email Id: [   ] *

Institution: [   ] *

Type a message:

[   ]

☐ I agree terms and conditions

[Submit]   * marked fields are neccessary to be filled out

Problem-2

Creating a homepage using HTML

Code-

```html
1  <!DOCTYPE html>
2  <html>
3  <meta name="viewport" content="width=device-width, initial-scale=1.0">
4  <frameset rows="20%,9%,48%,23%">
5      <frame src="row1.html" frameborder="0" scrolling="no">
6      <frame src="row2.html" frameborder="0" scrolling="no">
7      <frame src="row3.html" frameborder="0" scrolling="no">
8      <frame src="row4.html" frameborder="0">
9  </frameset>
10 </html>
```

```html
1  /*row1.html*/
2  <!DOCTYPE html>
3  <html>
4  <head>
5  <style>
6  .logo1{
7      float: left;
8          padding-left: 20%;
9      }
10 .header{
11         font-size: 20px;
12     padding-top: 27px;
13     }
14 </style>
15 </head>
16 <body ><div class="logo1">
17     <img src="download.jpg" style=" width: 100px;height:100px;">
18     </div>
19
20     <p class="header" ><b>    INDIAN INSTITUTE OF INFORMATION
       TECHNOLOGY SONEPAT</b>
21     </p>
22
23 </body>
24 </html>
```

```
1   /* row2.html */
2   <!DOCTYPE html>
3 ▼ <head>
4 ► <style> ··· </style>
26  </head>
27 ▼ <html>
28 ▼ <body style="background-color:
    #555555">             &
    nbsp;             &nbsp
    ;              &nb
    sp;              &
    nbsp;             &nbsp
    ;
29 ▼ <div class="button">
30      <button class="button1">Home</button>
31      <button class="button1">Academics</button>
32      <button class="button1">Admission</button>
33      <button class="button1">Examination</button>
34      <button class="button1">Life@IIITs</button>
35      <button class="button1">Placements</button>
36      <button class="button1">Jobs</button>
37      <button class="button1">Tenders</button>
38      <button class="button1">Contact us</button>
39  </div>
40  </body>
41  </html>
```

```
1   /*row3.html*/
2   <!DOCTYPE html>
3 ▼ <html>
4 ▼ <frameset cols="20%,60%,20%">
5       <frame src="col1.html" frameborder="0">
6       <frame src="col2.html" frameborder="0">
7       <frame src="col3.html" frameborder="0">
8   </frameset>
9   </html>
```

```
1   /*row4.html*/
2   <!DOCTYPE html>
3 ▼ <html>
4 ▼ <body style="background-color: #555555">
5       <p style="font-size: 25px"><b>Contact Details</b></p>
6       <p style="font-size: 20px"><b>Contact No.:</b>01744-233189, 7496966902,
        9729077477<br>
7       <b>Email address:</b> sonepatiiit@gmail.com</p>
8   </body>
9   </html>
```

```
1    /*col1.html*/
2    <!DOCTYPE html>
3  ▼ <html>
4  ▼ <head>
5    <style>
6    </style>
7    </head>
8  ▼ <body style="background-color: darkgrey">
9        <p style="font-size: 30px"><b>Student Details</b></p>
10       <p style="font-size: 20px"><b>NAME:</b>Akshant chaudhary<br><br>
11       <b>ROLL NO.:</b>11912009<br><br><b>BRANCH:</b>IT</p>
12   </body>
13   </html>
```

```
1    /*col2.html*/
2    <!DOCTYPE html>
3  ▼ <html>
4  ▼ <head>
5  ▼ <style>
6  ▼ .logo{
7
8        }
9    </style>
10   </head>
11 ▼ <body>
12       <p style="font-size: 30px"><b>Welcome to IIIT SONEPAT</b><br></p>
13 ▼     <div class="logo">
14           <p style="font-size: 20px;text-align: justify">
15   Indian Institute of Information Technology, Sonepat (IIIT, Sonepat) is one of the Indian
     Institutes of Information Technology located at Sonepat, Haryana. The academic session
     of IIIT Sonepat started from its mentor Institute National Institute of Technology,
     Kurukshetra from year 2014. IIIT Sonepat is a joint venture of the Ministry of Human
     Resource Development, Government of India, the Govt. of Haryana, with Industries in
     Public-Private Partnership model and has been declared as the Institute of national
     importance.The Institute presently offers B.Tech in Information Technology (IT) and
     Computer Science and Engineering (CSE) </p>
16           </div>
17   </body>
18   </html>
```

```
1    /*col3.html*/
2    <!DOCTYPE html>
3  ▼ <html>
4  ▼ <head>
5    <style>
6    </style>
7    </head>
8  ▼ <body style="background-color: darkgrey">
9        <p style="font-size: 25px"><b>Assignment Details</b></p>
10       <p style="font-size: 20px"><b>SUBJECT:</b>AP<br><br>
11       <b>SUBMITTED TO:</b>Mr. Md
                       
                       
             Arquam</p>
12   </body>
13   </html>
```

Output-

Home   Academics   Admission   Examination   Life@IIITs   Placements   Jobs   Tenders   Contact us

Student Details

NAME: Akshant chaudhary

ROLL NO.:11912009

BRANCH:IT

Welcome to IIIT SONEPAT

Indian Institute of Information Technology, Sonepat (IIIT, Sonepat) is one of the Indian Institutes of Information Technology located at Sonepat, Haryana. The academic session of IIIT Sonepat started from its mentor Institute National Institute of Technology, Kurukshetra from year 2014. IIIT Sonepat is a joint venture of the Ministry of Human Resource Development, Government of India, the Govt. of Haryana, with Industries in Public-Private Partnership model and has been declared as the Institute of national importance.The Institute presently offers B.Tech in Information Technology (IT) and Computer Science and Engineering (CSE)

Assignment Details

SUBJECT:AP

SUBMITTED TO: Mr. Md Arquam

Contact Details

Contact No.:01744-233189, 7496966902, 9729077477
Email address: sonepatiiit@gmail.com

Problem-3

Creating XHTML and CSS and understanding it's use in creating web pages

Code-

```
1    <?xml version="1.0"?>
2    <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
3    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transition.dtd">
4  ▼ <html>
5  ▼ <head>
6  ▼ <title>
7    Web sites
8    </title>
9  ▼ <style>
10 ▼ body {
11   margin-left: 10%; |
12   margin-top: 1em;
13   margin-right: 10%;
14   background: #d9f5be;
15   }
16 ▼ h1 {
17   font-family: Arial, sans-serif;
18   color: #600;
19   border-bottom: thin dotted black;
20   }
21 ▼ li {
22   margin-top: 1em;
23   font-size: 1.25em;
24   }
25 ▼ ul {
26   list-style-type: none;
27   }
28 ▼ a {
29   text-decoration: none;
30   }
31 ▼ a:link, a:visited {
32   color: blue;
33   }
34 ▼ a:hover {
35   color: white;
36   text-decoration: underline;
37   background: blue;
38   }
39 ▼ img {
40   border: thin solid black;
41   }
```

```
42      </style>
43      </head>
44   ▼  <body>
45   ▼  <h1>
46      Web sites
47      </h1>
48   ▼  <ul>
49   ▼  <li>
50   ▼  <a href="http://www.google.com.edu/">
51      Google
52      </a>
53      </li>
54   ▼  <li>
55   ▼  <a href="http://www.facebook.com/">
56      Facebook
57      </a>
58      </li>
59      </ul>
60      </body>
61      </html>
```
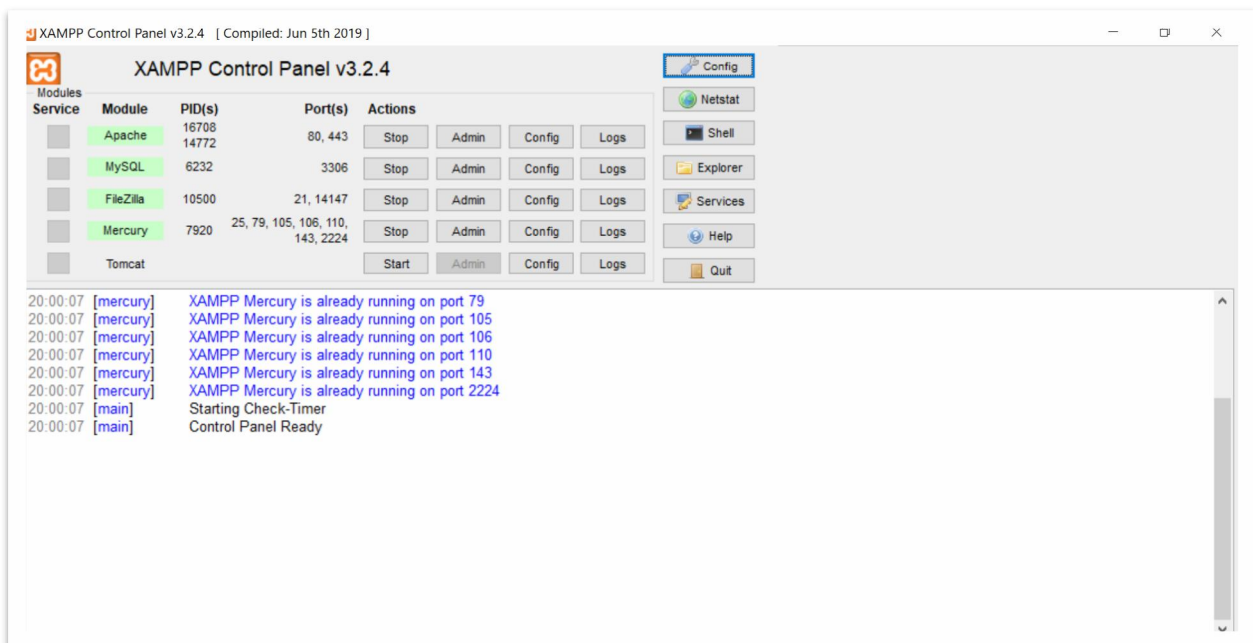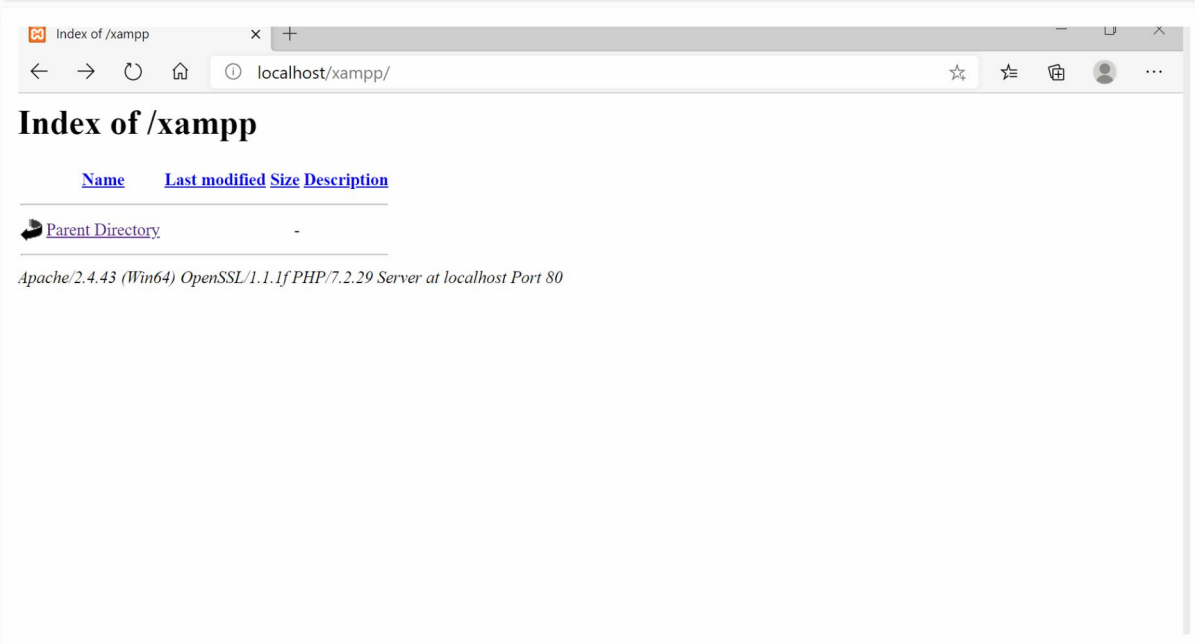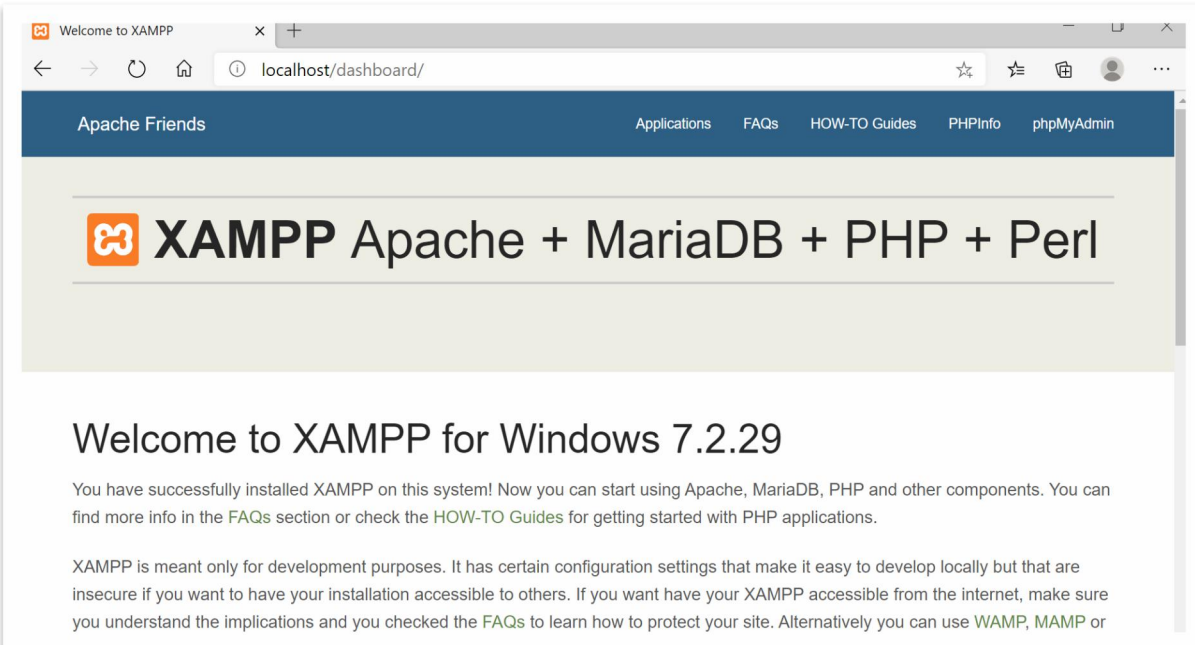
Output-

Web sites

Google

Facebook
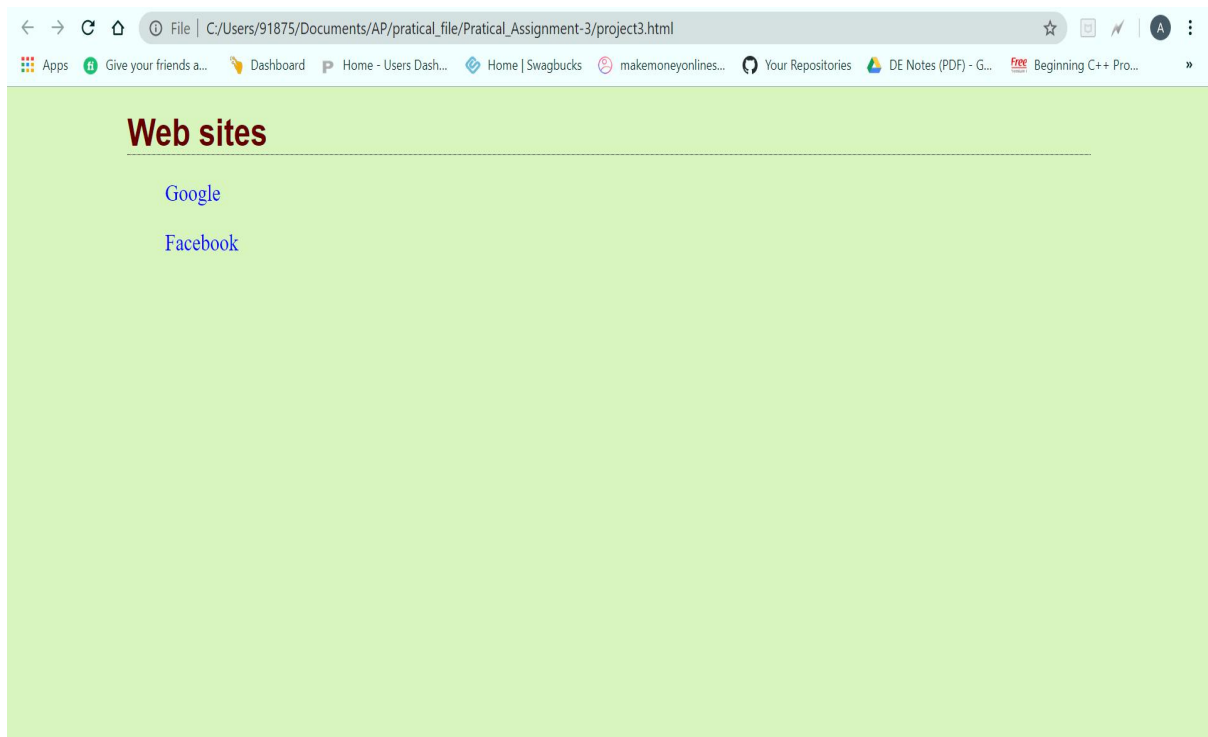
Problem-4

Setting up and configuration of XAMPP server

PROCEDURE:

1. Download XAMPP Server.
2. Open XAMPP Control Panel.
3. Switch on Start to start the servers.
4. XAMPP localhost server is being set up now. Open localhost in any web browser.
5. Open XAMPP directory in the localhost and run your code.

XAMPP Control Panel v3.2.4 [Compiled: Jun 5th 2019]

XAMPP Control Panel v3.2.4

Modules Service	Module	PID(s)	Port(s)	Actions					Config
	Apache	16708 14772	80, 443	Stop	Admin	Config	Logs		Netstat
	MySQL	6232	3306	Stop	Admin	Config	Logs		Shell
	FileZilla	10500	21, 14147	Stop	Admin	Config	Logs		Explorer
	Mercury	7920	25, 79, 105, 106, 110, 143, 2224	Stop	Admin	Config	Logs		Services
	Tomcat			Start	Admin	Config	Logs		Help
									Quit

```
19:57:46 [main]    You are not running with administrator rights! This will work for
19:57:46 [main]    most application stuff but whenever you do something with services
19:57:46 [main]    there will be a security dialogue or things will break! So think
19:57:46 [main]    about running this application with administrator rights!
19:57:46 [main]    XAMPP Installation Directory: "c:\xampp\"
19:57:46 [main]    Checking for prerequisites
19:57:47 [main]    All prerequisites found
19:57:47 [main]    Initializing Modules
19:57:47 [main]    Starting Check-Timer
19:57:47 [main]    Control Panel Ready
19:57:59 [Apache]  Attempting to start Apache app...
19:57:59 [Apache]  Status change detected: running
19:58:00 [mysql]   Attempting to start MySQL app...
19:58:00 [mysql]   Status change detected: running
19:58:01 [filezilla] Attempting to start FileZilla app...
19:58:01 [mercury] Attempting to start Mercury app...
19:58:01 [filezilla] Status change detected: running
19:58:01 [mercury] Status change detected: running
```

Welcome to XAMPP

localhost/dashboard/

Apache Friends   Applications   FAQs   HOW-TO Guides   PHPInfo   phpMyAdmin

XAMPP Apache + MariaDB + PHP + Perl

Welcome to XAMPP for Windows 7.2.29

You have successfully installed XAMPP on this system! Now you can start using Apache, MariaDB, PHP and other components. You can find more info in the FAQs section or check the HOW-TO Guides for getting started with PHP applications.

XAMPP is meant only for development purposes. It has certain configuration settings that make it easy to develop locally but that are insecure if you want to have your installation accessible to others. If you want have your XAMPP accessible from the internet, make sure you understand the implications and you checked the FAQs to learn how to protect your site. Alternatively you can use WAMP, MAMP or

---

Index of /xampp

localhost/xampp/

Index of /xampp

Name	Last modified	Size	Description
Parent Directory		-	

Apache/2.4.43 (Win64) OpenSSL/1.1.1f PHP/7.2.29 Server at localhost Port 80

Problem-5
Understanding PHP

Code-

```
1  ▼ <html>
2  ▼ <head>
3    <title>Prime check</title>
4    </head>
5  ▼ <body>
6    <?php
7    $num=9;
8    if ($num==1)
9    echo "Neither prime nor composite<br>";
10   else
11 ▼ {
12   $t=0;
13 ▼ for ( $i=2 ; $i<$num ; $i++ ){
14   if ($num%$i==0)
15   $t++;
16   }
17   if ($t==0)
18   echo "Prime Number<br>";
19   else
20   echo "Not Prime<br>"; }
21   ?>
22   </body>
23   </html>
```

Output-

Not Prime
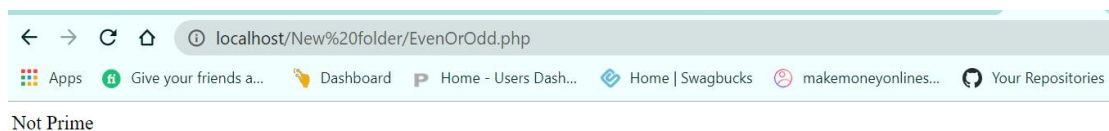
Problem-6
Creating registration form using PHP

Code-

```php
1   <!DOCTYPE html>
2   <html>
3   <head>
4       <style>
5           .error{color: #FF0000;}
6       </style>
7   </head>
8       <body>
9
10          <?php
11
12              $nameErr = $emailErr = $inameErr = "";
13              $name = $email = $iname = "";
14
15          if ($_SERVER["REQUEST_METHOD"] == "POST") {
16              if (!empty($_POST["name"])) {
17              $name = test_input($_POST["name"]);
18              if (!preg_match("/^[a-zA-Z ]*$/",$name)) {
19              $nameErr = "Only letters and white space allowed";
20              }}
21              if (!empty($_POST["email"])) {
22                  $email = test_input($_POST["email"]);
23                  if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
24                      $emailErr = "Invalid email format";
25                  }
26              }
27              if (!empty($_POST["iname"])) {
28              $iname = test_input($_POST["iname"]);
29              if (!preg_match("/^[a-zA-Z ]*$/",$iname)) {
30              $inameErr = "Only letters and white space allowed";
31              }}
32          }
33
34          function test_input($data) {
35          $data = trim($data);
36          $data = stripslashes($data);
37          $data = htmlspecialchars($data);
38          return $data;
39          }
40      ?>
41
```

```
42
43
44 ▼    <form name="myform" onsubmit="return(validateForm());" method="post">
45 ▼        <fieldset style="padding-top: 40px;margin-left: 350px;margin-right: 350px; background-color:#d9e8f4">
46            <legend>Registration form</legend>     
47            Name:<input type="text" name="name" ><span class="error">*<?php echo $nameErr;?></span>
48            <br><br><br> 
49            Email Id:<input type="email" name="Email"><span class="error">*<?php   echo $emailErr;?> </span>
50            <br><br><br>
51            Institution:<input type="text" name="iname"><span class="error">*<?php echo $inameErr;?>
                 </span>              
52            <br><br><br>
53            <p>Type a message:</p>
54            <textarea name="message" rows="10" cols="40"></textarea><br><br>
55            <input type="checkbox" name="cbox" required>I agree terms and conditions<br><br> 
56            <input type="submit"
                 >                   &nb
                 sp;               
57            <span class = "error">* marked fields are neccessary to be filled out</span>
58        </fieldset>
59    </form>
60    <script src="AP_project_individual.js"></script>
61  </body>
62 </html>
```

Output-

Registration form

Name: _____ *

Email Id: _____ *

Institution: _____ *

Type a message:

[textarea   ]

☐ I agree terms and conditions

[Submit]   * marked fields are neccessary to be filled out

Problem-7
Understanding JavaScript

Code-

```html
<!DOCTYPE html>
<html>
    <body>
        <style type="text/css">
        li{
            display: inline;
            margin-right: 10px;;
        }
        </style>
        <script>
            document.writeln("Randon numbers on a dice-:<ol>");
            for (var a=0;a<30;a++){
                document.write("<li>"+Math.ceil(Math.random()*6)+"</li>");
            }
            document.writeln("</ol>");
        </script>
    </body>
</html>
```

Output-

← → C ⌂ ⓘ File | C:/Users/91875/Documents/AP/pratical_file/Pratical_Assignment-7/RandomNumber.html

⁙ Apps 🅑 Give your friends a... 🖊 Dashboard 🅟 Home - Users Dash... 🔷 Home | Swagbucks 🅢 makemoneyonlines... 🐙 Your Reposito

Randon numbers on a dice-:

2 6 2 2 6 4 2 3 3 4 1 5 5 1 6 3 2 6 4 5 1 1 2 5 5 4 2 4 6 3
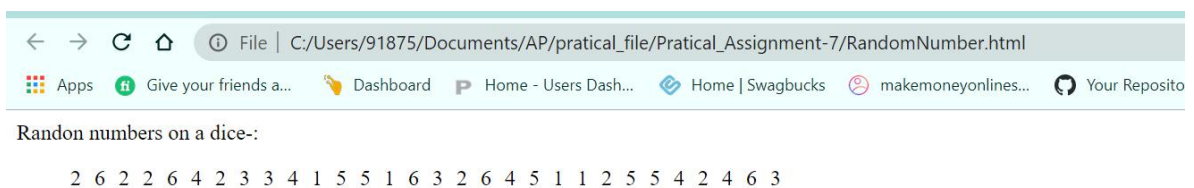
Problem-8

Creating a webpage using HTML and CSS

Code-

```html
1   <!DOCTYPE html>
2 ▼ <html lang="en">
3 ▼     <head>
4        <link rel="stylesheet" type="text/css" href="resourses/css/style.css">
5        <link rel="stylesheet" type="text/css" href="vendors/css/grid.css">
6        <link rel="stylesheet" type="text/css" href="vendors/css/normalize.css">
7        <link href='https://fonts.googleapis.com/css?family=Lato:100,300,400,300italic'
         rel='stylesheet' type='text/css'>
8        <title>Omnifood</title>
9
10       </head>
11 ▼    <body>
12 ▼        <header>
13 ▼            <div class="hero-text-box">
14                  <h1>Goodbye junk food.<br> Hello super healthy meals.</h1>
15                  <a class="btn btn-full" href="#"> I'm hungry </a>
16                  <a class="btn btn-ghost" href="#"> Show me more </a>
17              </div>
18
19
20          </header>
21
22
23       </body>
24  </html>
```

```css
1 ▼ *{
2       margin: 0;
3       padding: 0;
4       box-sizing: border-box;
5   }
6 ▼ html{
7       background-color: #fff;
8       color: #555;
9       font-family: 'Lato','Arial','sans-serif';
10      font-weight: 300;
11      font-size: 20px;
12      text-rendering: optimizeLegibility;
13  }
14 ▼ .row{
15      max-width: 1140px;
16      margin:0,auto;
17  }
18 ▼ header{
19      background-image:linear-gradient(rgba(0, 0, 0, 0.7),rgba(0, 0, 0, 0.7) ),url(img/hero.jpg);
20      background-size: cover;
21      background-position: center;
22      height: 100vh;
23  }
24 ▼ .hero-text-box{
25      position: absolute;
26      width: 1140px;
27      top: 50%;
28      left: 50%;
29      transform: translate(-50%,-50%);
30  }
31 ▼ h1{
32      margin-top: 0;
33      margin-bottom: 20px;
34      color: #fff;
35      font-size:24 0%;
36      font-weight: 300;
37      text-transform: uppercase;
38      letter-spacing: 1px;
39      word-spacing: 4px;
40  }
41   .btn:link,
42 ▼ .btn:visited{
43       display: inline-block;
44       padding: 10px 30px;
45       font-weight: 300;
46       text-decoration: none;
47       border-radius: 200px;
48       color:#fff;
49       transition: background-color 0.2s, border 0.2s,color 0.2s;
50   }
51
52   .btn-full:link,
53 ▼ .btn-full:visited{
54       background-color: #e67e22;
55       border: 1px solid #e67e22;
56       color:#fff;
57           margin-right: 15px;
58   }
59   .btn-ghost:link,
60 ▼ .btn-ghost:visited{
61       border: 1px solid #e67e22;
62       color:#e67e22;
63   }
64
65   .btn:hover,
66 ▼ .btn:active{
67       background-color: #cf6d17;
68   }
69   .btn-full:hover,
70 ▼ .btn-full:active{
71       border: 1px solid #cf6d17;
72   }
73   .btn-ghost:hover,
74 ▼ .btn-ghost:active{
75       border: 1px solid #cf6d17;
76       color:#fff;
77   }
```

Output-