1.

```php
Lab 4 - Q1.php
1  <?php
2    setcookie("test_cookie", "test",time() + 3600, "/");
3  ?>
4  <html>
5  <body>
6  <hr size=20 color=orange>
7  <h1 align=center> Web Programming - SOFE 2800U </h1>
8  <hr size=20 color=darkblue>
9  <?php
10 if (count($_COOKIE) > 0)
11 {
12     echo "Cookies are enabled.";
13 }
14 else
15 {
16     echo "Cookies are disabled.";
17 }
18 ?>
19
20 </body>
21 </html>
```
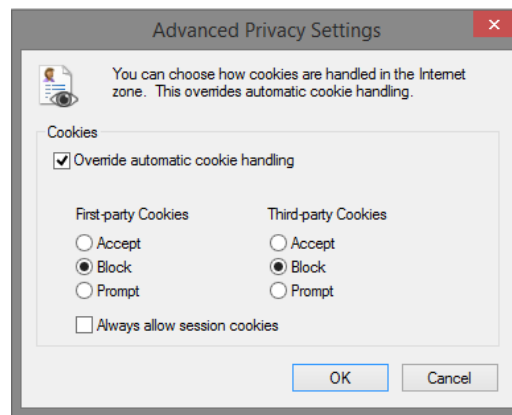
1.1

Web Programming - SOFE 2800U

Cookies are disabled.

1.2

Advanced Privacy Settings

You can choose how cookies are handled in the Internet zone. This overrides automatic cookie handling.

Cookies

☑ Override automatic cookie handling

First-party Cookies
○ Accept
● Block
○ Prompt

Third-party Cookies
○ Accept
● Block
○ Prompt

☐ Always allow session cookies

OK   Cancel

1.3

Web Programming - SOFE 2800U

Cookies are enabled.

1.4

First party cookies are used to recognize an individual on sites such as Gmail, Amazon, or for online banking (i.e. a cookie that is set by the domain name that appears in the browser that the user has explicitly stated they want access to); it is harder to browse the web when first party cookies are blocked (as many sites require login information).

Third party cookies have no adverse effects on browsing if they are blocked; these cookies are set by a domain name that does not appear in the address bar (i.e. Javascripts, images, etc.); typically used for personalization preferences and tracking information.

2.

2.1

Parameters supported by the setcookie() function:

```php
bool setcookie ( string $name [, string $value = "" [, int $expire = 0
[, string $path = "" [, string $domain = "" [, bool $secure = false [,
bool $httponly = false ]]]]]] )
```

$name: name of cookie.
$value: value of cookie.
$expire: time the cookie expires.
$path: path on the server in which the cookie will be available on.
$domain: domain that the cookie is available to.
$secure: indicates if the cookie should should be transmitted over a secure HTTPS connection.
$httponly: indicates if the cookie will be made accessible only through the HTTP protocol.
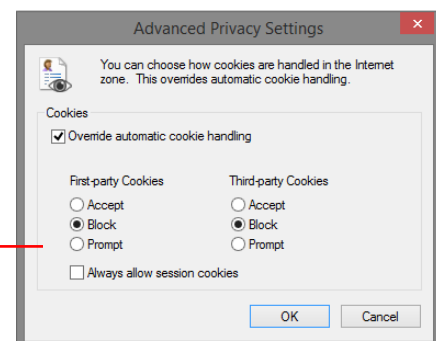
2.2

```php
<?php
setcookie("test_cookie", "test",time() + 3600, "/");
?>
<html>
<body>
<hr size=20 color=orange>
<h1 align=center> Web Programming - SOFE 2800U </h1>
<hr size=20 color=darkblue>
<?php
$name = "SOFE-2800U";
$value = "Web Programming";
setcookie($name, $value, time() + (60*60));
if (!isset($_COOKIE[$name]))
{
    echo "Cookie named: ".$name." is not set!";
}
else
{
    echo "Cookie: ".$name." is set!<br>";
    echo "Value is: ".$_COOKIE[$name];
}
?>
```

Web Programming - SOFE 2800U

Cookie: SOFE-2800U is set!
Value is: Web Programming

Web Programming - SOFE 2800U

Cookie named: SOFE-2800U is not set!

Advanced Privacy Settings

You can choose how cookies are handled in the Internet zone. This overrides automatic cookie handling.

Cookies
☑ Override automatic cookie handling

First-party Cookies
○ Accept
● Block
○ Prompt

Third-party Cookies
○ Accept
● Block
○ Prompt

☐ Always allow session cookies

OK   Cancel

2.3

```php
<?php
setcookie("test_cookie", "test",time() + 3600, "/");
?>
<html>
<body>
<hr size=20 color=orange>
<h1 align=center> Web Programming - SOFE 2800U </h1>
<hr size=20 color=darkblue>
<?php
$name = "SOFE-2800U";
$value = "Web Programming";
setcookie($name, $value, time() + (60*60));
if (!isset($_COOKIE[$name]))
{
    echo "Cookie named: ".$name." is not set!";
}
else
{
    echo "Cookie: ".$name." is set!<br>";
    echo "Value is: ".$_COOKIE[$name];
}
?>
<?php setcookie("SOFE-2800U"); ?>
```

Web Programming - SOFE 2800U

Cookie: SOFE-2800U is set!
Value is:

3.

```php
<?php
$strAddress = $_SERVER["REMOTE_ADDR"];
$strBrowser = $_SERVER["HTTP_USER_AGENT"];
$strOs = $_ENV["OS"];
$strInfo = "$strAddress::$strBrowser::$strOs";

setcookie("AnotherCookie", $strInfo);
?>

<html>
<body>
<?php
echo "<p>Cookie Set</p>";
echo $_COOKIE["AnotherCookie"];
?>
</body>
</html>
```

Notice: Undefined index: OS in C:\xampp\htdocs\test\Lab 4 - Q3.php on line 4

Cookie Set

::1::Mozilla/5.0 (Windows NT 6.3; WOW64; Trident/7.0; rv:11.0) like Gecko::

4.

```
     Lab 4 - Q1.php  ⊠    Lab 4 - Q2.php  ⊠    Lab 4 - Q3.php  ⊠    Lab 4 - Q4.php  ⊠
  1  ⊟<html>
  2  ⊟<body>
  3  ⊟<?php
  4   $strReadCookie = $_COOKIE["AnotherCookie"];
  5   $arrList = explode ("::", $strReadCookie);
  6
  7   echo "<p>IP Address: $arrList[0]</p>";
  8   echo "<p>Client Browser: $arrList[1]</p>";
  9   echo "<p>Operating System: $arrList[2]</p>";
 10  -?>
 11  -</body>
 12  L</html>
```

IP Address:

Client Browser: 1

Operating System: Mozilla/5.0 (Windows NT 6.3; WOW64; Trident/7.0; rv:11.0) like Gecko

5.

```
     Lab 4 - Q1.php  ⊠   Lab 4 - Q2.php  ⊠   Lab 4 - Q3.php  ⊠   Lab 4 - Q4.php  ⊠   Lab 4 - Q5.php  ⊠
  1  ⊟<?php
  2   session_start();
  3
  4   if (!$_SESSION["intCount"])
  5       $_SESSION["intCount"] = 1;
  6   else
  7       $_SESSION["intCount"]++;
  8  L?>
  9
 10  ⊟<html>
 11  ⊟<body>
 12   <hr size=20 color=orange>
 13   <h1 align=center>SOFE-2800U - Web Programming</h1>
 14   <hr size=20 color=darkgreen>
 15
 16  ⊟<?php
 17   echo "<p>You have accessed this page ".$_SESSION["intCount"]." times.</p>";
 18  -?>
 19  -</body>
 20  L</html>
```

5.1

Notice: Undefined index: intCount in **C:\xampp\htdocs\test\Lab 4 - Q5.php** on line **4**

SOFE-2800U - Web Programming

You have accessed this page 1 times.

5.2

SOFE-2800U - Web Programming

You have accessed this page 2 times.

5.3

SOFE-2800U - Web Programming

You have accessed this page 3 times.

5.4

<hr>

SOFE-2800U - Web Programming

<hr>

You have accessed this page 4 times.

6.

```
     Lab 4 - Q1.php    Lab 4 - Q2.php    Lab 4 - Q3.php    Lab 4 - Q4.php    Lab 4 - Q5.php   Lab 4 - Q6.php
  1  <?php
  2  session_start();
  3
  4  if (!$_SESSION["intCount"])
  5      $_SESSION["intCount"] = 1;
  6  else
  7      $_SESSION["intCount"]++;
  8  ?>
  9
 10  <html>
 11  <body>
 12  <hr size=20 color=orange>
 13  <h1 align=center>SOFE-2800U - Web Programming</h1>
 14  <hr size=20 color=darkgreen>
 15
 16  <?php
 17  echo "<p>You have accessed this page ".$_SESSION["intCount"]." times.</p>";
 18  ?>
 19  </body>
 20  </html>
```

6.1

<hr>

SOFE-2800U - Web Programming

<hr>

You have accessed this page 5 times.

6.2

<hr>

SOFE-2800U - Web Programming

<hr>

You have accessed this page 6 times.

6.3

<hr>

SOFE-2800U - Web Programming

<hr>

You have accessed this page 7 times.

6.4

<hr>

SOFE-2800U - Web Programming

<hr>

You have accessed this page 8 times.

6.5

```php
<?php
session_start();

if (!$_SESSION["intCount1"])
    $_SESSION["intCount1"] = 1;
else
    $_SESSION["intCount1"]++;
?>

<html>
<body>
<hr size=20 color=orange>
<h1 align=center>SOFE-2800U - Web Programming</h1>
<hr size=20 color=darkgreen>

<?php
echo "<p>You have accessed this page ".$_SESSION["intCount"]." times.</p>";
?>
</body>
</html>
```

6.6

SOFE-2800U - Web Programming

You have accessed this page 8 times.

6.7

SOFE-2800U - Web Programming

You have accessed this page 8 times.

6.8

SOFE-2800U - Web Programming

You have accessed this page 8 times.