**Example of session**

<?php

session start();

If (isset ($\_SESSION ['counter'])) {

$\_SESSION ['counter'] = 1;

}

else {

$\_SESSION['counter']++;

}

$msg = "You have visited this page ". $\_SESSION ['counter'];

$msg .= "in this session.”

echo ( $msg );

?>

<p>

To continue click following link <br />

<a href="nextpage.php?<?php echo htmlspecialchars(SID); ?>">

</p>

**Example of encryption**

<?php  
    $key = hash('sha256', 'this is a secret key', true);  
    $input = "Let us meet at 9 o'clock at the secret place.";  
      
    $td = mcrypt\_module\_open('rijndael-128', '', 'cbc', '');  
    $iv = mcrypt\_create\_iv(mcrypt\_enc\_get\_iv\_size($td), MCRYPT\_DEV\_URANDOM);  
    mcrypt\_generic\_init($td, $key, $iv);  
    $encrypted\_data = mcrypt\_generic($td, $input);  
    mcrypt\_generic\_deinit($td);  
    mcrypt\_module\_close($td);  
?>

**EXMAPLE SQL INJECTION.**

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

<dt class="title"><label for="username">name:</label></dt>

<dt><input type="text" name="username" id="username" size="50"></dt>

<dt class="title"><label for="password">pass:</label></dt>

<dt><input type="password" name="password" id="password" size="50"></dt>

<input type="hidden" name="post" value="1" />

<input type="submit" name="submit" value="submit" class="button">

</form>