Internet – cvičení
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PHP a SQL

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Vytvoření SQL databáze a naplnění daty

```
create database inet0708;
use inet0708;


create table uzivatele (id int not null auto_increment, jmeno varchar(30),
      email varchar(50), datum_zalozeni DATE, kat_id int, primary key(id));
create table kategorie (id int not null auto_increment, nazev varchar(20),
      primary key(id));


insert into kategorie (nazev) values ('ucitel');
insert into kategorie (nazev) values ('student');


insert into uzivatele (jmeno, email, datum_zalozeni, kat_id) values
      ('Josef Novak', 'novak@seznam.cz', '2008-02-15', 1);
insert into uzivatele (jmeno, email, datum_zalozeni, kat_id) values
      ('Standa Novotny', 'novotny@gmail.com', '2008-04-09', 2);
```

Funkce pro připojení k databázi

```php
<?php

function connect_to_db()
{
    $conn = mysql_connect('localhost', 'parizek', 'asdf0987')
        or die('Cannot connect to MySQL: '.mysql_error());
    mysql_select_db('inet0708') or die('Cannot select database');

    return $conn;
}

function disconnect_from_db($conn)
{
    mysql_close($conn);
}
?>
```

Generování HTML tabulky z databáze

```php
<html><body>
<?php
    include "db_common.inc";

    $conn = connect_to_db();

    $query = "select jmeno, email, datum_zalozeni from uzivatele";
    $res = mysql_query($query);

    if (!$res) die("Error in mysql_query: ".mysql_error());

    echo "<table border=\"1\">";
    while ($row = mysql_fetch_array($res))
    {
            echo "<tr>";
            echo "<td>".$row["jmeno"]."</td>";
            echo "<td>".$row["email"]."</td>";
            echo "<td>".$row["datum_zalozeni"]."</td>";
            echo "</tr>";
    }
    echo "</table>";

    mysql_free_result($res);

    disconnect_from_db($conn);
?>
</body></html>
```

Filtrace a třídění hodnot z databáze

```php
<form action="user_list2.php" method="get">
Kategorie:
<select name="kat_filter" size="1">
    <option value="0">vsechny</option>
<?php
    $res2 = mysql_query("select id, nazev from kategorie");
    while ($row2 = mysql_fetch_array($res2)) echo "<option value=\"".$row2[0]."\">".$row2[1]."</option>";
    mysql_free_result($res2);
?>
</select>
</form>


-----------------------------------------------------------------------------------------------------
$kat_filter = $_REQUEST["kat_filter"];
$sort = $_REQUEST["sort"];
$query = "select u.jmeno as jmeno, u.email as email, u.datum_zalozeni as datum_zalozeni, k.nazev as kat_nazev
    from uzivatele u, kategorie k where u.kat_id=k.id";
if (!empty($kat_filter) && ($kat_filter != 0)) $query .= (" and u.kat_id=".$kat_filter);
if (!empty($sort)) {
    if ($sort == 'j') $query .= " order by u.jmeno";
    else if ($sort == 'e') $query .= " order by u.email";
    else if ($sort == 'd') $query .= " order by u.datum_zalozeni";
}


-----------------------------------------------------------------------------------------------------
echo "<th><a href=\"user_list2.php?sort=j\">Jmeno</a></th>";
echo "<th><a href=\"user_list2.php?sort=e\">Email</a></th>";
echo "<th><a href=\"user_list2.php?sort=d\">Datum zalozeni</a></th>";
```

Přidání záznamu do databázové tabulky

```php
<?php
    include "db_common.inc";
    $conn = connect_to_db();

    if ($_REQUEST["add"] == "1") {
            $query = "insert into uzivatele (jmeno, email, datum_zalozeni, kat_id) values
                ('".$_REQUEST["jmeno"]."','".$_REQUEST["email"]."','".date("Y-m-d")."','".$_REQUEST["kat_id"].")";
            $res = mysql_query($query);
            if (!$res) die("Error in mysql_query: ".mysql_error());

            disconnect_from_db($conn);
            header("Location: user_list2.php?sort=d");
    }
    else {
    ?>
            <html><body>
            <form action="user_add.php" method="post">
                Jmeno: <input type="text" name="jmeno" size="20"/><br/>
                Email: <input type="text" name="email" size="40"/><br/>
                Kategorie: <select name="kat_id"><? … ?></select><br/>
                <input type="submit" value="Vlozit"/>
                <input type="hidden" name="add" value="1"/>
            </form>
            </body></html>
    <?

            disconnect_from_db($conn);
    }
?>
```