

Get DB field name in PHP PDO from MySQL query result

PDO provides a method to get database field name (column name) from the query result.

Below code shows the example:

```
$p = new PDO( "mysql:host=localhost;dbname=foo;charset=utf8", "chun", "kang");
$select = $p->query("select * from test_table");
$fieldname = $select->fetch(PDO::FETCH_ASSOC);
```

Below code is another example to get query result and field name in PHP:

```
$m_db = new stdClass();
$m_db->connection = NULL;
$m_db->user = "user name";
$m_db->userpasswd = "user password";
$m_db->database = "database name";

function mydb_open()
{
    global $m_db;

    if ($m_db->connection==NULL) try {
        $dsn = 'mysql:host=localhost;dbname=' . $m_db->database . ';charset=utf8';
        $m_db->connection = new PDO($dsn, $m_db->user, $m_db->userpasswd);
    }
    catch (PDOException $exc) {
        $m_db->connection = NULL;
        echo "DB open failure!!";
        exit;
    }

    return $m_db->connection;
}

function mydb_close()
{
    global $m_db;

    $m_db->connection=NULL;
}

function mydb_exec1( $sql, $debug=0)
{
    global $m_db;

    $ret=0;
    if (mydb_open()) {
        $pResult=$m_db->connection->exec( $sql);
        if ($pResult) {
            $ret=1;
        }
    }
    else {
        $ret=0;
    }
    mydb_close();

    return $ret;
}

function mydb_query_full($sql, &$columnName, $debug=0)
{
    global $m_db;

    if (mydb_open()) {
```

```

if ($debug) echo "db open - ok<br>\n";
$select = $m_db->connection->query($sql);

$ret=null;
if ($select) {
    if ($debug) echo "db query - ok<br>\n";

    // get query result
    while( $row = $select->fetch()) $ret[] = $row;

    // check column information
    $sql = preg_replace( "/ limit(.*)/", "", $sql) . " limit 1";
    $select = $m_db->connection->query($sql);

    if ($debug) echo "Checking column name<br>\n";
    $columnName = array_keys($select->fetch(PDO::FETCH_ASSOC));
    if ($debug) {
        echo "<pre>";
        var_dump($columnName);
        echo "</pre>";
    }

}
mydb_close();

if ($debug) {
    echo "Query result:<br>\n";
    echo "<pre>";
    var_dump($ret);
    echo "</pre>";
}

if ($debug && is_array($ret)) echo "result count = " . count($ret) . "<br>\n";

return $ret;
}
else {
    return null;
}
}

```