

# Object inheritance in PHP

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Object inheritance is a basic principle in object orientated programming languages. This notional PHP example inherits the object `admin_user` from `regular_user` and extends it.

The properties `username` and `useraddress` are read from a MySQL database `mydb` by quering the usertable with `userid` as parameter. {moshide [click to expand source code]][click to collapse source code]}{geshibot lang="PHP"}

```
<?php
mysql_connect("localhost");
mysql_select_db("mydb");

/* we fetch 2 users from the database: users with userid 1 and 2 */
$user = new regular_user;
$user->getuser(1);
$user->showuser();

$user = new admin_user;
$user->getuser(2);
$user->showuser();

class regular_user{
    var $username;
    var $useraddress;
/* fill user properties */
    function getuser($id) {
        $result = mysql_query ("SELECT * FROM usertable WHERE userid=$id");
        if($row = mysql_fetch_array($result)) {
            $this->username = $row["username"];
            $this->useraddress = $row["useraddress"];
        } else {
            $this->username = "unknown";
            $this->useraddress = "unknown";
        }
    }
}
/* show user information */
function showuser() {
    print("User info<br>");
    print("Username: ".$this->username."<br>");
    print("Address: ".$this->useraddress."<br>");
}
}

/* inherited admin_user */
class admin_user extends regular_user {
    function edit_address() {
        print('<form method="post" action="processing.php">Address: <input type="text" name="useraddress"
            value="'.$this->useraddress.'"></form>');
    }
}

mysql_close();
?>

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{moscomment}
```