

Laborator 7

Să se creeze cu PDO o aplicatie CRUD pe baza de date student

Verificati ca tabela student sa fie

```
CREATE TABLE IF NOT EXISTS `students` (  
  `id` int(11) NOT NULL AUTO_INCREMENT,  
  `name` varchar(100) COLLATE utf8_unicode_ci NOT NULL,  
  `email` varchar(150) COLLATE utf8_unicode_ci NOT NULL,  
  `mobile` varchar(20) COLLATE utf8_unicode_ci NOT NULL,  
  `address` varchar(200) COLLATE utf8_unicode_ci NOT NULL,  
  PRIMARY KEY (`id`)  
);
```

Pas1. Creati Pagina oopCrud.php

```
<?php  
  
class oopCrud{  
  private $host="localhost";  
  private $user="root";  
  private $db="student";  
  private $pass="";  
  private $conn;  
  
  public function __construct(){  
  
    $this->conn = new PDO("mysql:host=".$this->host.";dbname=".$this->db,$this->user,$this->pass);  
  }  
  
  public function showData($table){  
  
    $sql="SELECT * FROM $table";  
    $q = $this->conn->query($sql) or die("failed!");  
  
    while($r = $q->fetch(PDO::FETCH_ASSOC)){  
      $data[]=$r;  
    }  
    return $data;  
  }  
  
  public function getById($id,$table){  
  
    $sql="SELECT * FROM $table WHERE id = :id";  
    $q = $this->conn->prepare($sql);  
    $q->execute(array(':id'=>$id));  
    $data = $q->fetch(PDO::FETCH_ASSOC);  
    return $data;  
  }  
}
```

```

}

public function update($id,$name,$email,$mobile,$address,$table){

$sql = "UPDATE $table
SET name=:name,email=:email,mobile=:mobile,address=:address
WHERE id=:id";
$q = $this->conn->prepare($sql);
$q->execute(array(':id'=>$id,':name'=>$name,
':email'=>$email,':mobile'=>$mobile,':address'=>$address));
return true;

}

public function insertData($name,$email,$mobile,$address,$table){

$sql = "INSERT INTO $table SET
name=:name,email=:email,mobile=:mobile,address=:address";
$q = $this->conn->prepare($sql);
$q->execute(array(':name'=>$name,':email'=>$email,
':mobile'=>$mobile,':address'=>$address));
return true;
}

public function deleteData($id,$table){

$sql="DELETE FROM $table WHERE id=:id";
$q = $this->conn->prepare($sql);
$q->execute(array(':id'=>$id));
return true;
}
}

?>

```

Pagina Vizualizare.php

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
    <title>Show Table</title>
    <link rel="stylesheet" type="text/css" href="css/bootstrap.css">
    <script type="text/javascript" src="js/bootstrap.js"></script>
  </head>

  <?php

function __autoload($class){
    include_once($class.".php");
}
$obj=new oopCrud;

if(isset($_REQUEST['status'])){
    echo"Your Data Successfully Updated";
}

if(isset($_REQUEST['status_insert'])){
    echo"Your Data Successfully Inserted";
}

if(isset($_REQUEST['del_id'])){
    if($obj->deleteData($_REQUEST['del_id'], "students")){

        echo"Your Data Successfully Deleted";
    }
}
?>
<div class="container">
  <div class="btn-group">
    <button class="btn"><a href="Vizualizare.php">Home</a></button>
    <button class="btn"><a href="insert.php">Insert</a></button>
  </div>
  <h3>All The Data</h3>
  <table width="750" border="1" class="table-striped">
    <tr class="success">
      <th scope="col">Name</th>
      <th scope="col">Email</th>
      <th scope="col">Mobile</th>
      <th scope="col">Address</th>
      <th scope="col">Action</th>
    </tr>
    <?php
    foreach($obj->showData("students") as $value){
      extract($value);
      echo <<<show
      <tr class="success">
```

```

        <td>$name</td>
        <td>$email</td>
        <td>$mobile</td>
        <td>$address</td>
        <td><button class="btn"><a href="update.php?id=$id">Update</a>
</button>&nbsp;&nbsp;&nbsp;<button class="btn"><a
href="show.php?del_id=$id">Delete</a></button></td>
    </tr>
    show;
    }
    ?>
    <tr class="success">
    <th scope="col" colspan="5" align="right">
    <div class="btn-group">
    <button class="btn"><a href="insert.php">Insert </a></button>
    </div>
    </th>

    </tr>
    </table>
</div>

<body>
</body>
</html>

```

Insert.php

```

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
    <head>
    <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
    <title>Insert Data</title>
    <link rel="stylesheet" type="text/css" href="css/bootstrap.css">
    </head>

    <body>
    <?php
function __autoload($class){
    include_once($class.".php");
}
$obj=new oopCrud;

if(isset($_REQUEST['insert'])){
    extract($_REQUEST);
    if($obj->insertData($name,$email,$mobile,$address,"students")){
        header("location:show.php?status_insert=success");
    }
}

```

```

}
echo @<<<show
<div class="container">
  <div class="container">
    <div class="btn-group">
      <button class="btn"><a href="show.php">Home</a></button>
    </div>
    <h3>Insert Your Data</h3>
    <form action="insert.php" method="post">
      <table width="400" class="table-bordered">
        <tr>
          <th scope="row">Id</th>
          <td><input type="text" name="id" value="$id" readonly="readonly"></td>
        </tr>
        <tr>
          <th scope="row">Name</th>
          <td><input type="text" name="name" value="$name"></td>
        </tr>
        <tr>
          <th scope="row">Email</th>
          <td><input type="text" name="email" value="$email"></td>
        </tr>
        <tr>
          <th scope="row">Mobile</th>
          <td><input type="text" name="mobile" value="$mobile"></td>
        </tr>
        <tr>
          <th scope="row">Address</th>
          <td><textarea rows="5" cols="20" name="address">$address</textarea></td>
        </tr>
        <tr>
          <th scope="row">&nbsp;</th>
          <td><input type="submit" name="insert" value="Insert" class="btn"></td>
        </tr>
      </table>
    </form>
  </div>
</div>
show;
?>

</body>
</html>

```

```

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
    <title>Edit Data</title>
    <link rel="stylesheet" type="text/css" href="css/bootstrap.css">
  </head>

  <body>

```

```

<?php
function __autoload($class){
    include_once($class.".php");
}
$obj=new oopCrud;

if(isset($_REQUEST['update'])){
    extract($_REQUEST);
    if($obj->update($id,$name,$email,$mobile,$address,"students")){
        header("location:show.php?status=success");
    }
}

extract($obj->getById($_REQUEST['id'], "students"));
echo <<<show
<div class="container">
    <div class="btn-group">
        <button class="btn"><a href="vizualizare.php">Home</a></button>
    </div>
    <h3>Edit Your Data</h3>
    <form action="update.php" method="post">
        <table width="500" border="1">
            <tr>
                <th scope="row">Id</th>
                <td><input type="text" name="id" value="$id" readonly="readonly"></td>
            </tr>
            <tr>
                <th scope="row">Name</th>
                <td><input type="text" name="name" value="$name"></td>
            </tr>
            <tr>
                <th scope="row">Email</th>
                <td><input type="text" name="email" value="$email"></td>
            </tr>
            <tr>
                <th scope="row">Mobile</th>
                <td><input type="text" name="mobile" value="$mobile"></td>
            </tr>
            <tr>
                <th scope="row">Address</th>
                <td><textarea rows="5" cols="20" name="address">$address</textarea></td>
            </tr>
            <tr>
                <th scope="row">&nbsp;</th>
                <td><input type="submit" name="update" value="Update" class="btn"></td>
            </tr>
        </table>
    </form>
</div>
show;
?>

</body>
</html>

```

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