

## TP 4

### PHP Data Objects (*PDO*)

#### Exercice 1

Créer une base de données base Et un table users

Id

Nom

Mail

Définir les quartes fonctions ajouter mise a jour sauvegarder et supprimer

#### Index.php

```
<?php
$db=new PDO("mysql:host=localhost; dbname=base; charset=utf8","root","");
$sql="SELECT * from users";
$stmt=$db->query($sql);
$rows=$stmt->fetchAll(PDO::FETCH_ASSOC);
//$rows=$stmt->fetchAll();
//var_dump($rows);
//die();
?>
<!DOCTYPE html>
```

```

<html><head><title></title></head>

<body><h1>users</h1>

// add.php

<FORM action="add.php" method= "GET">

    <input type "text" name="nom">

    <input type "text" name="email">

    <button>ajouter</button>

</FORM><br><br><hr>


<TABLE border="1" width=100% cellpadding = "6">

    <tr>  <th>ID</th>

        <th>NOM</th>

        <th>EMAIL</th>

    </tr>


<? php foreach ($rows as $row) : ?>

<tr>

    <td><?=$row['id'] ?></td>

    <td><?=$row['nom'] ?></td>

    <td><?= $row['email'] ?></td>

    <td> <a href=" del.php?idd= <?= $row['id']?>">Supprimer</a></td>

    <td> <a href=" update.php?idd=<?= $row['id']?>">Modifier</a></td>


</tr>

<?php endforeach; ?>

</TABLE>

```

</body>

</html>

### **Add.php**

```
<?php
$n=$_GET['nom'];
$e=$_GET['email'];
$db=new PDO("mysql:host=localhost;dbname=base;charset=utf8","root","");
// $sql="INSERT into users values('$n','$e')";
$sql="INSERT into users values( ?, ? )";
$stmt=$db->prepare($sql);
// $db->exec($sql);
$stmt->bindValue(1,$n, PDO::PARAM_STR);
$stmt->bindValue(2,$e, PDO::PARAM_STR);
$stmt->execute();
header('location:index.php');
?>
```

### **del.php**

```
<?php
$id=$_GET['idd'];
$db=new PDO("mysql:host=localhost;dbname=base;charset=utf8","root","");
$sql="DELETE FROM users WHERE id=?";
$stmt=$db->prepare($sql);
// $db->exec($sql);
$stmt->bindValue(1,$id, PDO::PARAM_INT);
$stmt->execute();
header('location:index.php');
?>
```

## Update.php

```
<?php

$id=$_GET['idd'];

//$e=$_GET['email'];

$db=new
PDO("mysql:host=localhost;dbname=base;charset=utf8","root","");

//$sql="INSERT into users values(',$n','$e')";

$sql="SELECT * FROM users WHERE Id=?";

$stmt=$db->prepare($sql);

//$db->exec($sql);

$stmt->bindValue(1,$id, PDO::PARAM_INT);

//$stmt->bindValue(2,$e, PDO::PARAM_STR);

$stmt->execute();

$row=$stmt->fetch(PDO::FETCH_OBJ);

if(!$row){

    header("location:index.php");

}

?>
```

```
<!DOCTYPE html>

<html>

<head>

    <title></title>

</head>

<body>

<FORM action="save.php" method= "GET">

    <input type "hidden" name="idd" value ="<?=$id ?>">

    <input type "text" name="nom"  value ="<?=$row->nom ?>">

    <input type "text" name="email"  value ="<?=$row->email ?>">

    <button>Enregistrer</button>

</FORM>

</body>

</html>
```

## Save.php

```
<?php
$i=$_GET['idd'];
$n=$_GET['nom'];
$e=$_GET['email'];

$db=new PDO("mysql:host=localhost;dbname=base;charset=utf8","root","");
//$sql="INSERT into users values('$n','$e')";

$stmt = $db->prepare("UPDATE users SET  nom=?,email=? where id=?");

    $stmt->bindValue(3,$i, PDO::PARAM_INT);

    $stmt->bindValue(1,$n, PDO::PARAM_STR);

    $stmt->bindValue(2,$e, PDO::PARAM_STR);

    $result = $stmt->execute();

    if($result==true){
header('location:index.php');}
else {

    echo "erreur";}

?>
```

## Exercice 2

### *1. Créez la table person*

#### Creating a database “crud” and a table “person”

```
CREATE TABLE `person` (  
  `id_person` int(11) NOT NULL AUTO_INCREMENT,  
  `name_person` varchar(100) DEFAULT NULL,  
  `gender` enum('Male','Female') DEFAULT NULL,  
  `country` varchar(50) DEFAULT NULL,  
  PRIMARY KEY (`id_person`)  
)
```

### *2. Créer la classe pour la connections avec PDO*

#### **dbconnect.php:**

```
<?php  
  
class dbconnect {  
  
  public $dbase;  
  
  public function initDB()  
  
  { $this->dbase = new  
  PDO("mysql:host=localhost;dbname=crud;charset=latin1","root","",array(PDO::A  
  TTR_PERSISTENT => true));  
  
    $this->dbase-  
>setAttribute(PDO::ATTR_ERRMODE,PDO::ERRMODE_EXCEPTION);  
  
    }  
  
  }  
  
?>
```



### 3. Utilisation des requêtes préparés

#### Creating a PHP class to access CRUD with PDO

**crud.php**

```
<?php require_once("dbconnect.php");

class crud extends dbconnect {

public function __construct() { $this->initDB(); }

    /*Table Person*/

    public function getListPerson(){

        $db = $this->dbase;

        try

        {

            $stmt = $db->prepare("select * from person");

            $stmt->execute();

            $stat[0] = true;

            $stat[1] = $stmt->fetchAll(PDO::FETCH_ASSOC);

            return $stat;

        }

        catch(PDOException $ex)

        {

            $stat[0] = false;

            $stat[1] = $ex;

            return $stat;

        }

    }

}
```

```

public function getPerson($id_person){
    $db = $this->dbase;

    try
    {
        $stmt = $db->prepare("select * from person where id_person =
:id ");

        $stmt->bindParam(" id ", $id_person);

        $stmt->execute();

        $stat[0] = true;

        $stat[1] = $stmt->fetchAll(PDO::FETCH_ASSOC);

        return $stat;
    }

    catch(PDOException $ex)
    {
        $stat[0] = false;

        $stat[1] = $ex;

        return $stat;
    }
}

```

```

public function updatePerson($id_person,$name_person,$gender,$country)
{
    $db = $this->dbase;

    try
    {
        $stmt = $db->prepare("UPDATE person SET name_person = :name ,gender =
:gender,country = :country WHERE id_person = :id");

        $stmt->bindParam("id", $id_person);

        $stmt->bindParam("name", $name_person);

        $stmt->bindParam("gender", $gender);

        $stmt->bindParam("country", $country);

        $stmt->execute();

        $stat[0] = true;

        $stat[1] = "Update Successfully";

        return $stat;
    }

    catch(PDOException $ex)
    {
        $stat[0] = false;

        $stat[1] = $ex;

        return $stat;
    }
}

```

```

public function savePerson($name_person,$gender,$country){

    $db = $this->dbase;

    try

    {

$stmt = $db->prepare("INSERT INTO person(name_person,gender,country)
VALUES(:name,:gender,:country)");

        $stmt->bindParam("name",$name_person);

        $stmt->bindParam("gender",$gender);

        $stmt->bindParam("country",$country);

        $stmt->execute();

        $stat[0] = true;

        $stat[1] = "Save Successfully";

        return $stat;

    }

    catch(PDOException $ex)

    {

        $stat[0] = false;

        $stat[1] = $ex;

        return $stat;

    }

}

```

```

public function deletePerson($id_person)
{
    $db = $this->dbase;

    try
    {
        $stmt = $db->prepare("DELETE from person WHERE
id_person = :id");

        $stmt->bindParam("id",$id_person);

        $stmt->execute();

        $stat[0] = true;

        $stat[1] = "Delete Successfully";

        return $stat;
    }
    catch(PDOException $ex)
    {
        $stat[0] = false;

        $stat[1] = $ex;

        return $stat;
    }
}

```

```

public function GetPersonByName($term)
{
    $trm = "%".$term."%";
    $db = $this->dbase;
    try
    {
        $stmt = $db->prepare("select * from person where
name_person like :term order by name_person asc");
        $stmt->bindParam("term",$trm);
        $stmt->execute();
        $stat[0] = true;
        $stat[1] = $stmt->fetchAll(PDO::FETCH_ASSOC);
        return $stat;
    }
    catch(PDOException $ex)
    {
        $stat[0] = false;
        $stat[1] = $ex;
        return $stat;
    }
}

```

```

public function emptyTablePerson()
{
    $db = $this->dbase;

    try
    {
        $stmt = $db->prepare("truncate table person");

        $stmt->execute();

        $stat[0] = true;

        $stat[1] = "Delete Successfully";

        return $stat;
    }
    catch(PDOException $ex)
    {
        $stat[0] = false;

        $stat[1] = $ex;

        return $stat;
    }
}

```

?>

**//tester**

**Index.php**

```
<?php
```

```
require_once("crud.php");
```

```
$crud = new crud();
```

```
$crud->emptyTablePerson();
```

```
$save = $crud->savePerson("Sigit","Male","Indonesia");
```

```
print_r('Save Result = ');
```

```
print_r($save);
```

```
print_r("<br>");
```

```
$save = $crud->savePerson("John Doe","Male","France");
```

```
print_r('Save Result = ');
```

```
print_r($save);
```

```
print_r("<br>");
```

```
$save = $crud->savePerson("Wang Xi","Male","China");
```

```
print_r('Save Result = ');
```

```
print_r($save);
```

```
print_r("<br>");
```

```
$save = $crud->savePerson("Tatsuya Arigato","Male","Japan");
```

```
print_r('Save Result = ');
```

```
print_r($save);
```

```
print_r("<br>");
```

```
$save = $crud->savePerson("Angela","Female","England");
```

```
print_r('Save Result = ');
```

```
print_r($save);
```

```
print_r("<br>");
```



```

$getlistperson = $crud->getListPerson();
print_r('List Person : ');
echo '<br>';
echo ' ID | Name | Gender | Country ';
echo '<br>';
foreach ($getlistperson[1] as $key ) {
    echo $key['id_person'].' | '.$key['name_person'].' | '.$key['gender'].' |
    '.$key['country'];
    echo '<br>';
}
print_r("<br>");
$update = $crud->updatePerson(5,"Song Hye Kyo","Female","South Korea");
print_r('Update id 5 Result = ');
print_r($update);
print_r("<br>");

```

```

$getlistperson = $crud->getListPerson();
print_r('List Person : ');
echo '<br>';
echo ' ID | Name | Gender | Country ';
echo '<br>';
foreach ($getlistperson[1] as $key ) {
    echo $key['id_person'].' | '.$key['name_person'].' | '.$key['gender'].' |
    '.$key['country'];
    echo '<br>';
}

```

```

print_r("<br>");

$delete = $crud->deletePerson(2);

print_r('Delete id 2 Result = ');

print_r($delete);

print_r("<br>");

$delete = $crud->deletePerson(3);

print_r('Delete id 3 Result = ');

print_r($delete);

print_r("<br>");


$getListperson = $crud->getListPerson();

print_r('List Person : ');

echo '<br>';

echo ' ID | Name | Gender | Country ';

echo '<br>';

foreach ($getListperson[1] as $key ) {

    echo $key['id_person'].' | '.$key['name_person'].' | '.$key['gender'].' | 
'.$key['country'];

    echo '<br>';

}

?>

```