

PRACTICE REPORT
WEB PROGRAMMING LAB WORKS
MODULE 6
“PHP Based Web Application and MySQL Database (II)”



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PRACTICE

1. Experiment 1 (Gods Data Form)

```
Module_6 > form.php > html
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Goods Data</title>
7  </head>
8  <?php
9      $conn = mysqli_connect(hostname: "localhost", username: "root", password: "", database: "warehouse2");
10  ?>
11  <body>
12      <center>
13          <h3>Enter Item Data:</h3>
14          <form action="form.php" method="post">
15              <table border="0" width="30%">
16                  <tr>
17                      <td width="25%">Item Code</td>
18                      <td width="5%">:</td>
19                      <td width="65%"><input type="text" name="item_code" size="10"></td>
20                  </tr>
21                  <tr>
22                      <td width="25%">Item Name</td>
23                      <td width="5%">:</td>
24                      <td width="65%"><input type="text" name="item_name" size="30"></td>
25                  </tr>
26                  <tr>
27                      <td width="25%">Warehouse</td>
28                      <td width="5%">:</td>
29                      <td width="65%">
30                          <select name="warehouse_code">
31                              <?php
32                                  $sql = "SELECT * FROM warehouse";
33                                  $retval = mysqli_query(mysql: $conn, query: $sql);
34                                  while ($row = mysqli_fetch_array(result: $retval)) {
35                                      echo "<option value='$row[warehouse_code]'">$row[warehouse_name]</option>";
36                                  }
37                              ?>
38                          </select>
39                      </td>
40                  </tr>
41                  <tr>
42                      <td colspan="3" align="center"><input type="submit" name="submit" value="Send"></td>
43                  </tr>
44              </table>
45          </form>
46          <?php
47              error_reporting(error_level: E_ALL ^ E_NOTICE);
48              $item_code = $_POST['item_code'];
49              $item_name = $_POST['item_name'];
50              $warehouse_code = $_POST['warehouse_code'];
51              $submit = $_POST['submit'];
52              $input = "INSERT INTO goods (item_code, item_name, warehouse_code) VALUES ('$item_code', '$item_name', '$warehouse_code')";
53              if ($submit){
54                  mysqli_query(mysql: $conn, query: $input);
55                  echo "Data has been added successfully";
56              }
57          ?>
58      </center>
59  </body>
60 </html>
```

```

59 <hr>
60 <h3>Goods Data</h3>
61 <table border="1" width="50%">
62 <tr>
63 <td align="center" width="20%"><b>Item Code</b></td>
64 <td align="center" width="30%"><b>Item Name</b></td>
65 <td align="center" width="10%"><b>Warehouse Location</b></td>
66 </tr>
67 <?php
68 $cari = "SELECT goods.item_code, goods.item_name, warehouse.location FROM goods JOIN warehouse ON goods.warehouse_code = warehouse.warehouse_code";
69 $hasil_cari = mysqli_query(mysql: $conn, query: $cari);
70 while ($data = mysqli_fetch_row(result: $hasil_cari)) {
71 echo "
72 <tr>
73 <td width='20%'>$data[0]</td>
74 <td width='30%'>$data[1]</td>
75 <td width='10%'>$data[2]</td>
76 </tr>";
77 }
78 ?>
79 </table>
80 </center>
81 </body>
82 </html>

```

Picture 1.1 The Code.

(Explanation)

This code is an HTML page with PHP that connects to the warehouse2 database, allowing users to input goods data through a form, save it to the goods table with SQL INSERT, and then display a list of goods and their warehouse locations using SQL JOIN.

Enter Item Data:

Item Code :

Item Name :

Warehouse :

Warning: Undefined array key "item_code" in C:\laragon\www\L200234275\Module_6\form.php on line 48

Warning: Undefined array key "item_name" in C:\laragon\www\L200234275\Module_6\form.php on line 49

Warning: Undefined array key "warehouse_code" in C:\laragon\www\L200234275\Module_6\form.php on line 50

Warning: Undefined array key "submit" in C:\laragon\www\L200234275\Module_6\form.php on line 51

Goods Data

Item Code	Item Name	Warehouse Location
		Jatiyoso
1	ajha	Jatiyoso
2	mie	Colomadu
3	obat batuk	Cemami
46543	sjhhjs	Colomadu
767	gfdg	Jatiyoso
87	huh	Colomadu
989	jhj	Cemami

Picture 1.2 The Output.

ASSIGNMENT

1. Create a book table and a book_type table contains the attributes in the ER-diagram above. After that, create a program with features for insert, update, delete and view for the two tables

1. Form.php

```
Module_6 > Task1 > form.php > html > body > center

1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5      <meta charset="UTF-8">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Library Data</title>
8  </head>
9  <?php
10     $conn = mysqli_connect(hostname: "localhost", username: "root", password: "", database: "db_library");
11     ?>
12 </body>
13 <center>
14     <h3>Enter Book Data:</h3>
15     <form action="form.php" method="post">
16         <table border="0" width="30%">
17             <tr>
18                 <td width="25%">Book Code</td>
19                 <td width="5%">:</td>
20                 <td width="65%"><input type="text" name="kode_buku" size="10"></td>
21             </tr>
22             <tr>
23                 <td width="25%">Book Name</td>
24                 <td width="5%">:</td>
25                 <td width="65%"><input type="text" name="nama_buku" size="30"></td>
26             </tr>
27             <tr>
28                 <td width="25%">Book Type</td>
29                 <td width="5%">:</td>
30                 <td width="65%">
31                     <select name="kode_jenis">
32                         <?php
33                             $sql = "SELECT * FROM jenis_buku";
34                             $retval = mysqli_query(mysql: $conn, query: $sql);
35                             while ($row = mysqli_fetch_array(result: $retval)) {
36                                 echo "<option value='$row[kode_jenis]'">$row[nama_jenis]</option>";
37                             }
38                         ?>
39                     </select>
40                 </td>
41             </tr>
42             <tr>
43                 <td colspan="3" align="center"><input type="submit" name="submit_buku" value="Send"></td>
44             </tr>
45         </table>
46     </form>
47
48     <h3>Enter Book Type Data:</h3>
49     <form action="form.php" method="post">
50         <table border="0" width="30%">
51             <tr>
52                 <td width="25%">Type Code</td>
53                 <td width="5%">:</td>
54                 <td width="65%"><input type="text" name="kode_jenis" size="10"></td>
55             </tr>
56             <tr>
57                 <td width="25%">Type Name</td>
58                 <td width="5%">:</td>
59                 <td width="65%"><input type="text" name="nama_jenis" size="30"></td>
60             </tr>
61             <tr>
62                 <td width="25%">Description</td>
63                 <td width="5%">:</td>
64                 <td width="65%"><input type="text" name="keterangan_jenis" size="50"></td>
65             </tr>
66             <tr>
67                 <td colspan="3" align="center"><input type="submit" name="submit_jenis" value="Send"></td>
68             </tr>
69         </table>
70     </form>
```

```

72     <?php
73     error_reporting(error_level: E_ALL ^ E_NOTICE);
74
75     // Handle Book
76     $kode_buku = $_POST['kode_buku'];
77     $nama_buku = $_POST['nama_buku'];
78     $kode_jenis = $_POST['kode_jenis'];
79     $submit_buku = $_POST['submit_buku'];
80     $input_buku = "INSERT INTO buku (kode_buku, nama_buku, kode_jenis) VALUES ('$kode_buku', '$nama_buku', '$kode_jenis')";
81
82     if ($submit_buku) {
83         if ($kode_buku == '') {
84             echo "<br> Book Code cannot be empty, fill it first";
85         } elseif ($nama_buku == '') {
86             echo "<br> Book Name cannot be empty, fill it first";
87         } elseif ($kode_jenis == '') {
88             echo "<br> Book Type cannot be empty, fill it first";
89         } else {
90             mysqli_query(mysql: $conn, query: $input_buku);
91             echo "<br> Data entered successfully";
92         }
93     }

```

```

95     // Handle Book Type
96     $kode_jenis = $_POST['kode_jenis'];
97     $nama_jenis = $_POST['nama_jenis'];
98     $keterangan_jenis = $_POST['keterangan_jenis'];
99     $submit_jenis = $_POST['submit_jenis'];
100     $input_jenis = "INSERT INTO jenis_buku (kode_jenis, nama_jenis, keterangan_jenis) VALUES ('$kode_jenis', '$nama_jenis', '$keterangan_jenis')";
101
102     if ($submit_jenis) {
103         if ($kode_jenis == '') {
104             echo "<br> Type Code cannot be empty, fill it first";
105         } elseif ($nama_jenis == '') {
106             echo "<br> Type Name cannot be empty, fill it first";
107         } elseif ($keterangan_jenis == '') {
108             echo "<br> Description cannot be empty, fill it first";
109         } else {
110             mysqli_query(mysql: $conn, query: $input_jenis);
111             echo "<br> Data entered successfully";
112         }
113     }
114     ?>

```

```

116     <hr>
117     <h3>Book Data</h3>
118     <table border="1" width="50%">
119         <tr>
120             <td align="center" width="20%"><b>Book Code</b></td>
121             <td align="center" width="30%"><b>Book Name</b></td>
122             <td align="center" width="50%"><b>Book Type</b></td>
123             <td align="center" width="20%"><b>Keterangan</b></td>
124         </tr>
125         <?php
126         $cari_buku = "SELECT buku.kode_buku, buku.nama_buku, jenis_buku.nama_jenis FROM buku JOIN jenis_buku ON buku.kode_jenis = jenis_buku.kode_jenis";
127         $hasil_cari_buku = mysqli_query(mysql: $conn, query: $cari_buku);
128         while ($data_buku = mysqli_fetch_row(result: $hasil_cari_buku)) {
129             echo "
130                 <tr>
131                     <td width='20%'>$data_buku[0]</td>
132                     <td width='30%'>$data_buku[1]</td>
133                     <td width='10%'>$data_buku[2]</td>
134                     <td width='20%'>
135                         <a href='edit_buku.php?kode_buku={$data_buku[0]}>Edit</a> |
136                         <a href='delete.php?kode_buku={$data_buku[0]}>Delete</a>
137                     </td>
138                 </tr>";
139             </tr>";
140         }
141     ?>
142 </table>

```

```

144     <h3>Book Type Data</h3>
145     <table border="1" width="50%">
146         <tr>
147             <td align="center" width="20%"><b>Type Code</b></td>
148             <td align="center" width="30%"><b>Type Name</b></td>
149             <td align="center" width="50%"><b>Description</b></td>
150             <td align="center" width="20%"><b>Keterangan</b></td>
151         </tr>
152         <?php
153         $cari_jenis = "SELECT * FROM jenis_buku ORDER BY kode_jenis";
154         $hasil_cari_jenis = mysqli_query(mysql: $conn, query: $cari_jenis);
155         while ($data_jenis = mysqli_fetch_row(result: $hasil_cari_jenis)) {
156             echo "
157                 <tr>
158                     <td width='20%'>$data_jenis[0]</td>
159                     <td width='30%'>$data_jenis[1]</td>
160                     <td width='50%'>$data_jenis[2]</td>
161                     <td width='20%'>
162                         <a href='edit_jenis.php?kode_jenis={$data_jenis[0]}>Edit</a> |
163                         <a href='delete.php?kode_jenis={$data_jenis[0]}>Delete</a>
164                     </td>
165                 </tr>";
166             </tr>";
167         }
168     ?>
169 </table>
170 </center>
171 </body>
172
173 </html>

```

Picture 1.1. the code of form.php

2. Delete.php

```
Module_6 > Task1 > delete.php > ...
1  <?php
2  $conn = mysqli_connect(hostname: "localhost",username: "root",password: "",database: "db_library");
3
4  // Periksa apakah parameter kode_buku atau kode_jenis tersedia
5  if (isset($_GET['kode_buku'])) {
6      $kode_buku = $_GET['kode_buku'];
7      mysqli_query(mysql: $conn, query: "DELETE FROM buku WHERE kode_buku='$kode_buku'");
8      echo "<script>alert('Book deleted!'); window.location='form.php';</script>";
9  } elseif (isset($_GET['kode_jenis'])) {
10     $kode_jenis = $_GET['kode_jenis'];
11
12     // Hapus semua buku yang memiliki kode_jenis yang akan dihapus
13     mysqli_query(mysql: $conn, query: "DELETE FROM buku WHERE kode_jenis='$kode_jenis'");
14
15     // Hapus jenis buku
16     mysqli_query(mysql: $conn, query: "DELETE FROM jenis_buku WHERE kode_jenis='$kode_jenis'");
17
18     echo "<script>alert('Book type deleted!'); window.location='form.php';</script>";
19 } else {
20     echo "<script>alert('Invalid request!'); window.location='form.php';</script>";
21 }
22 ?>
```

Picture 1.2. the code of delete.php

3. Edit_buku.php

```
Module_6 > Task1 > edit_buku.php > ...
1  <?php
2  $conn = mysqli_connect(hostname: "localhost",username: "root",password: "",database: "db_library");
3
4  $kode_buku = $_GET['kode_buku'];
5  $query = "SELECT * FROM buku WHERE kode_buku='$kode_buku'";
6  $data = mysqli_fetch_assoc(result: mysqli_query(mysql: $conn, query: $query));
7
8  if ($_SERVER["REQUEST_METHOD"] == "POST") {
9      $nama_buku = $_POST['nama_buku'];
10     $kode_jenis = $_POST['kode_jenis'];
11
12     $update = "UPDATE buku SET nama_buku='$nama_buku', kode_jenis='$kode_jenis' WHERE kode_buku='$kode_buku'";
13     mysqli_query(mysql: $conn, query: $update);
14
15     echo "<script>alert('Book updated!'); window.location='form.php';</script>";
16 }
17 ?>
18
19 <form action="" method="post">
20     <label>Book Name:</label>
21     <input type="text" name="nama_buku" value="<?= $data['nama_buku'] ?>" required><br>
22
23     <label>Book Type:</label>
24     <select name="kode_jenis">
25         <?php
26         $result = mysqli_query(mysql: $conn, query: "SELECT * FROM jenis_buku");
27         while ($row = mysqli_fetch_assoc(result: $result)) {
28             $selected = ($row['kode_jenis'] == $data['kode_jenis']) ? "selected" : "";
29             echo "<option value='{$row['kode_jenis']}' $selected>{$row['nama_jenis']}</option>";
30         }
31         ?>
32     </select><br>
33
34     <button type="submit">Update</button>
35 </form>
```

Picture 1.3. the code of edit_buku.php

4. Edit_jenis.php

```
Module_6 > Task1 > edit_jenis.php > $conn
1  <?php
2
3  $conn = mysqli_connect(hostname: "localhost",username: "root",password: "",database: "db_library");
4
5  // Ambil kode_jenis dari URL
6  $kode_jenis = $_GET['kode_jenis'];
7
8  // Ambil data jenis buku berdasarkan kode_jenis
9  $query = "SELECT * FROM jenis_buku WHERE kode_jenis='$kode_jenis'";
10 $data = mysqli_fetch_assoc(result: mysqli_query(mysql: $conn, query: $query));
11
12 if ($_SERVER["REQUEST_METHOD"] == "POST") {
13     $nama_jenis = $_POST['nama_jenis'];
14     $keterangan_jenis = $_POST['keterangan_jenis'];
15
16     // Query update data
17     $update = "UPDATE jenis_buku SET nama_jenis='$nama_jenis', keterangan_jenis='$keterangan_jenis' WHERE kode_jenis='$kode_jenis'";
18     mysqli_query(mysql: $conn, query: $update);
19
20     echo "<script>alert('Book type updated successfully!'); window.location='form.php';</script>";
21 }
22 ?>
```

```
24 <!DOCTYPE html>
25 <html lang="en">
26 <head>
27     <meta charset="UTF-8">
28     <meta name="viewport" content="width=device-width, initial-scale=1.0">
29     <title>Edit Book Type</title>
30 </head>
31 <body>
32     <h2>Edit Book Type</h2>
33
34     <form action="" method="post">
35         <label>Type Code (Read Only):</label>
36         <input type="text" name="kode_jenis" value="<?= $data['kode_jenis'] ?>" readonly><br>
37
38         <label>Type Name:</label>
39         <input type="text" name="nama_jenis" value="<?= $data['nama_jenis'] ?>" required><br>
40
41         <label>Description:</label>
42         <input type="text" name="keterangan_jenis" value="<?= $data['keterangan_jenis'] ?>" required><br>
43
44         <button type="submit">Update</button>
45     </form>
46
47     <br>
48 </body>
49 </html>
```

Picture 1.4. the code of edit_jenis.php

(Explanation)

1. Form.php

This code is an HTML page with PHP that connects to the `db_library` database, allows users to enter and save book data and book types through a form, with input validation before saving to the `book` and `book_type` tables, then displays a list of books and their types using SQL `JOIN`, and provides data edit and delete features.

2. Delete.php

This PHP code handles deleting data in the `db_library` database. If the `book_code` parameter is available, then books with that code are deleted from the `books` table. If the `type_code` parameter is available, all books with that

type will be deleted first before deleting the book type in the `book_type` table. Once the process is complete, the page will be redirected back to `form.php` with a notification message using the `alert()` JavaScript.

3. Edit_buku.php

This PHP code allows users to edit book data based on the `book_code` received via the URL parameter. The book data to be edited is retrieved from the database and displayed in the form with the corresponding initial value. After the user edits and submits the form, the system updates the `books` table with the new data, then displays a notification using JavaScript `alert()` before redirecting back to `form.php`.

4. Edit_jenis.php

This PHP code allows the user to edit the book type based on the `type_code` received through the URL. The book type data to be edited is retrieved from the database and displayed in the form with the corresponding initial value. After the user edits and submits the form, the system updates the `book_type` table with the new data, then displays a notification using JavaScript `alert()` before redirecting back to `form.php`.

(Screenshot Output)

1. Form.php

Enter Book Data:

Book Code :

Book Name :

Book Type :

Send

Enter Book Type Data:

Type Code :

Type Name :

Description :

Send

Warning: Undefined array key "kode_buku" in C:\laragon\www\L200234275\Module_6\Task1\form.php on line 76

Warning: Undefined array key "nama_buku" in C:\laragon\www\L200234275\Module_6\Task1\form.php on line 77

Warning: Undefined array key "kode_jenis" in C:\laragon\www\L200234275\Module_6\Task1\form.php on line 78

Warning: Undefined array key "submit_buku" in C:\laragon\www\L200234275\Module_6\Task1\form.php on line 79

Warning: Undefined array key "kode_jenis" in C:\laragon\www\L200234275\Module_6\Task1\form.php on line 96

Warning: Undefined array key "nama_jenis" in C:\laragon\www\L200234275\Module_6\Task1\form.php on line 97

Warning: Undefined array key "keterangan_jenis" in C:\laragon\www\L200234275\Module_6\Task1\form.php on line 98

Warning: Undefined array key "submit_jenis" in C:\laragon\www\L200234275\Module_6\Task1\form.php on line 99

Book Data

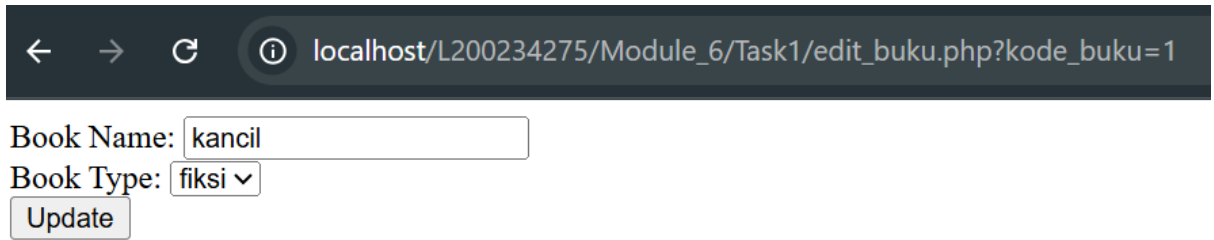
Book Code	Book Name	Book Type	Keterangan
1	kancil	fiksi	Edit Delete

Book Type Data

Type Code	Type Name	Description	Keterangan
1	fiksi	imajinasi	Edit Delete

Picture 1.1 the output of form.php

2. Edit_buku.php




Book Name:

Book Type:

Picture 1.2 the output of edit_buku.php

3. Edit_jenis.php



Edit Book Type

Type Code (Read Only):

Type Name:

Description:

Picture 1.3 the output of edit_jenis.php