



**CRUD**

**Create, Read, Update,**

**Delete**



# Pengenalan PHP MySQL

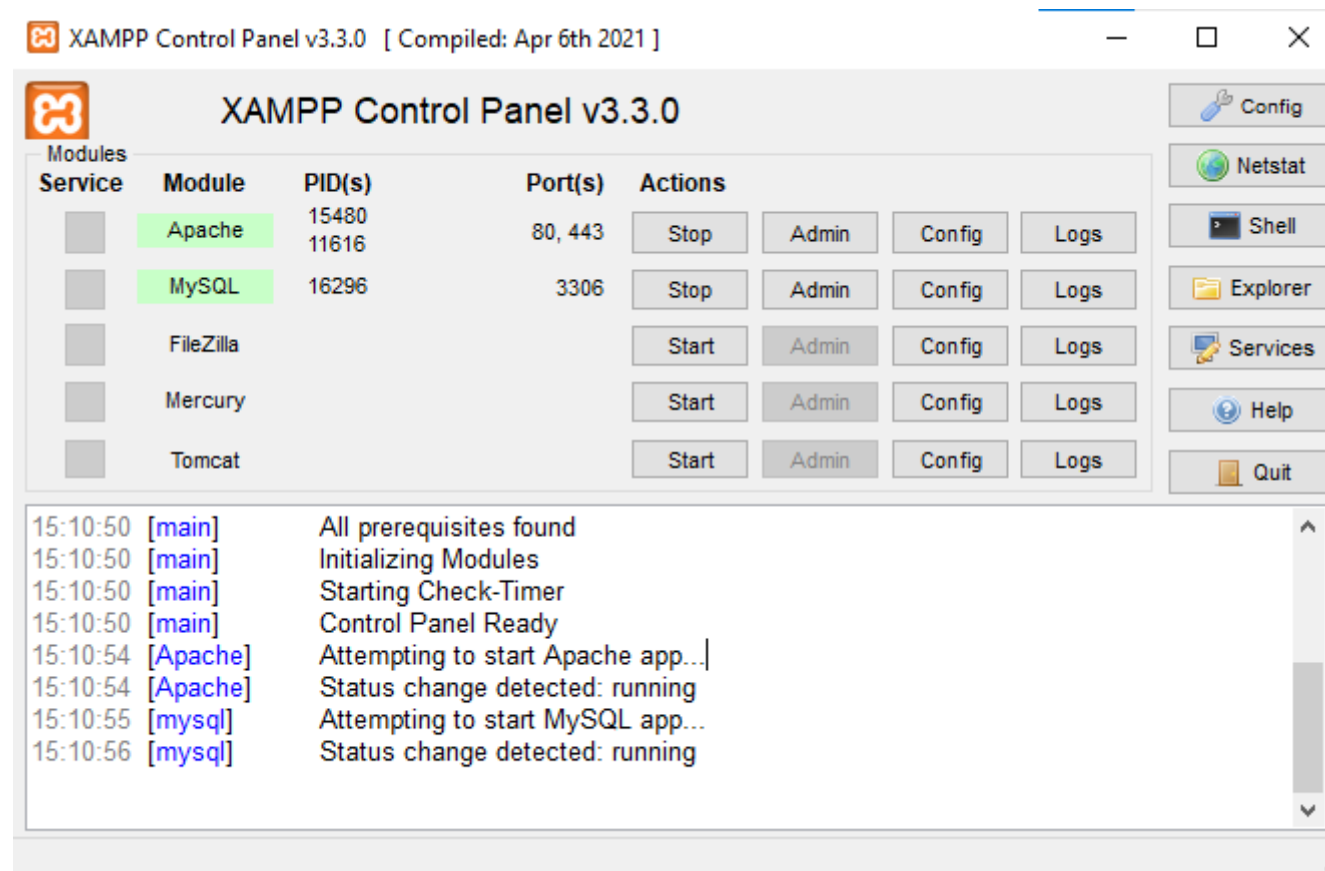
PHP dan MySQL adalah dua teknologi yang sering digunakan bersama dalam pengembangan aplikasi web. PHP (Hypertext Preprocessor) adalah bahasa pemrograman yang berjalan di server dan digunakan untuk membangun halaman web yang dinamis dan interaktif. Sedangkan MySQL adalah sebuah RDBMS atau sistem manajemen database relasional.

Dengan menggunakan PHP dan MySQL kita bisa membuat website yang dinamis dan juga bisa melakukan CRUD (Create, Read, Update, Delete).

# Konfigurasi Awal

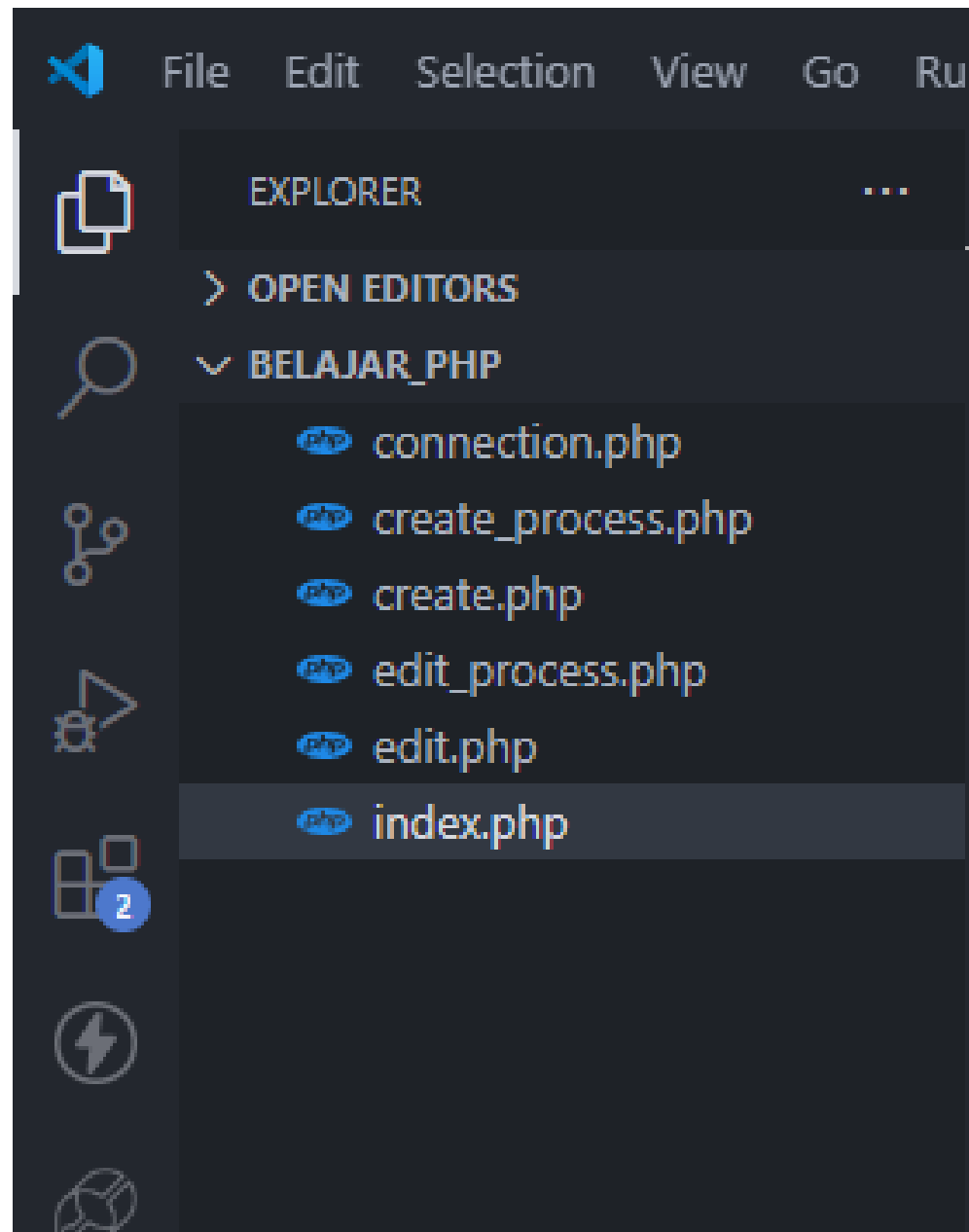
Untuk menghubungkan PHP dan MySQL silahkan ikuti Langkah dibawah:

- Silahkan aktifkan XAMPP atau Laragon



# Update

Silahkan buat file edit.php dan edit\_process.php



# Update

Silahkan edit tag a yang ada pada file index.php dengan menambahkan parameter id.

```
<td><?= $row[ 'stock' ]; ?></td>  
<td class="d-flex gap-2">  
  <a href="edit.php?id=<?= $row['id']; ?>" class="btn  
    btn-warning">Edit</a>  
  <a href="" class="btn btn-danger">Delete</a>  
</td>
```

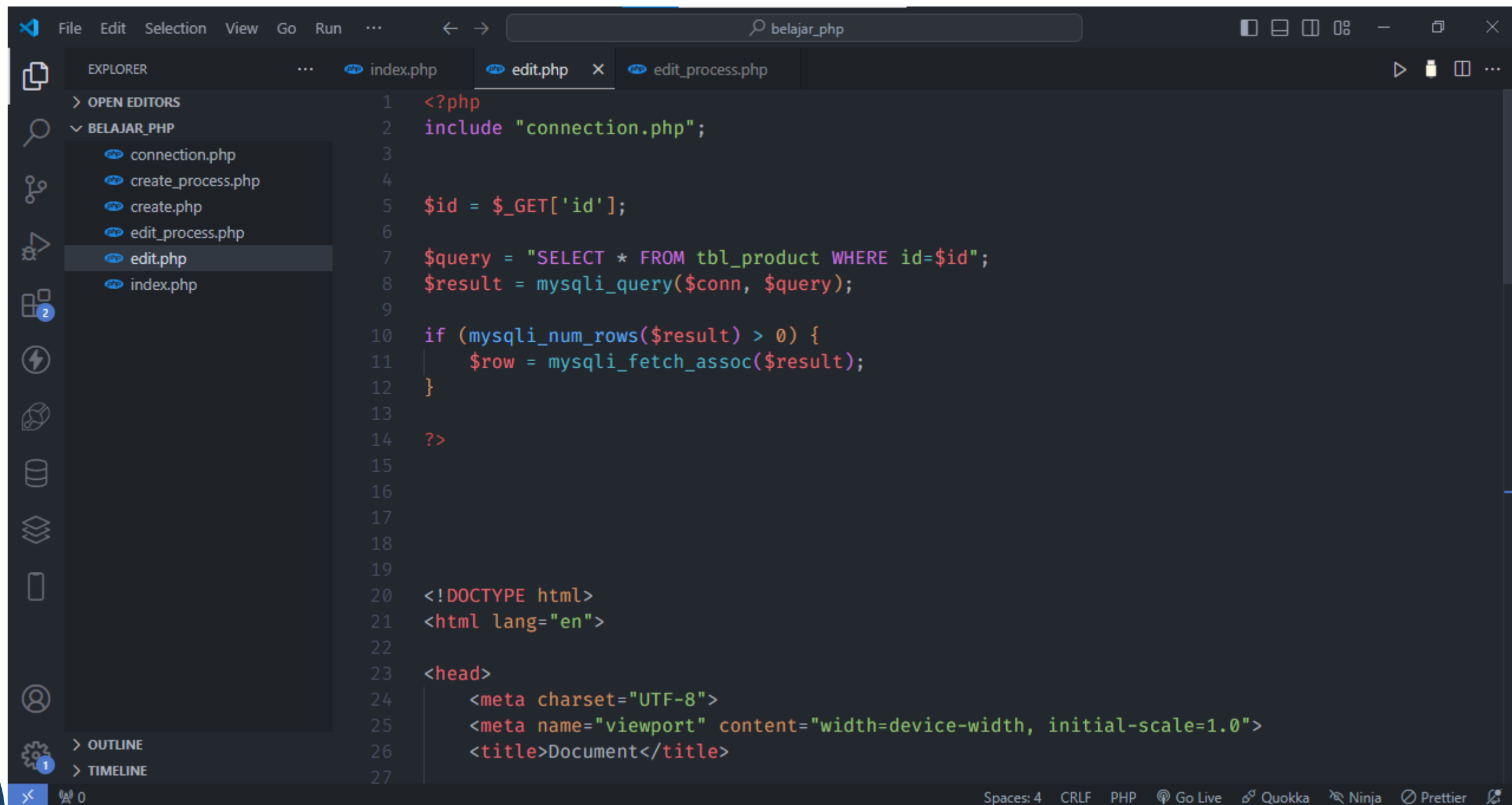
# Update

Terdapat beberapa Langkah untuk melakukan update data:

- Ambil query param dari URL
- Melakukan query berdasarkan parameter
- Mengupdate data

# Update

- Pada file edit.php, silahkan tambahkan code dibawah

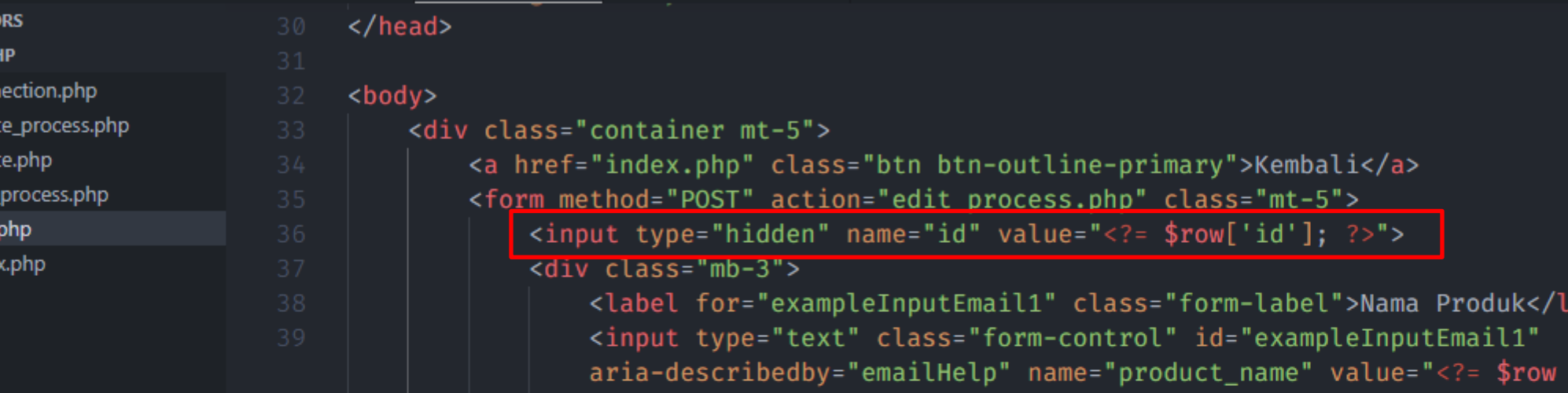


```
1 <?php
2 include "connection.php";
3
4
5 $id = $_GET['id'];
6
7 $query = "SELECT * FROM tbl_product WHERE id=$id";
8 $result = mysqli_query($conn, $query);
9
10 if (mysqli_num_rows($result) > 0) {
11     $row = mysqli_fetch_assoc($result);
12 }
13
14 ?>
15
16
17
18
19
20 <!DOCTYPE html>
21 <html lang="en">
22
23 <head>
24     <meta charset="UTF-8">
25     <meta name="viewport" content="width=device-width, initial-scale=1.0">
26     <title>Document</title>
27
```

# Update

# Penting!!!

Tambahkan value untuk masing-masing input dan beri input type hidden dengan value dan name id



The screenshot shows the VS Code editor with the file explorer on the left. The file explorer shows a project named 'BELAJAR\_PHP' with several files: connection.php, create\_process.php, create.php, edit\_process.php, edit.php (selected), and index.php. The editor window displays the content of edit.php, which is an HTML form for editing product information. The form includes a 'Kembali' button, a form with a hidden input for 'id', text input for 'Nama Produk', number input for 'Harga', and number input for 'Stok'. The 'id' input field is highlighted with a red box, showing its value as '= \$row['id']; ?'.

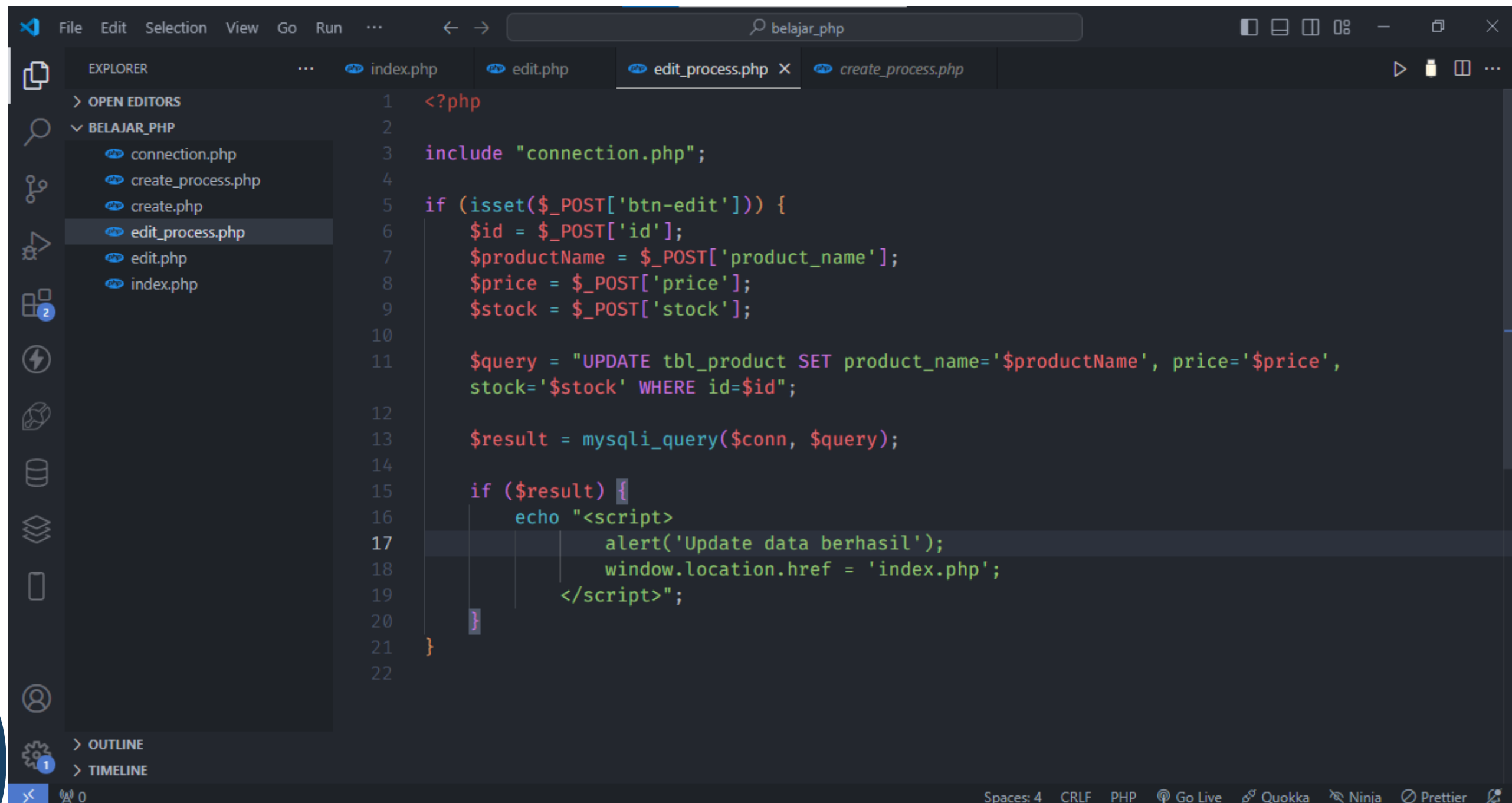
```

30 </head>
31
32 <body>
33     <div class="container mt-5">
34         <a href="index.php" class="btn btn-outline-primary">Kembali</a>
35         <form method="POST" action="edit_process.php" class="mt-5">
36             <input type="hidden" name="id" value="= $row['id']; ?&gt;"&gt;
37             &lt;div class="mb-3"&gt;
38                 &lt;label for="exampleInputEmail1" class="form-label"&gt;Nama Produk&lt;/label&gt;
39                 &lt;input type="text" class="form-control" id="exampleInputEmail1"
40                     aria-describedby="emailHelp" name="product_name" value="<?= $row
41                     ['product_name']; ?&gt;"&gt;
42             &lt;/div&gt;
43             &lt;div class="mb-3"&gt;
44                 &lt;label for="exampleInputPassword1" class="form-label"&gt;Harga&lt;/label&gt;
45                 &lt;input type="number" class="form-control" id="exampleInputPassword1"
46                     name="price" value="<?= $row['price']; ?&gt;"&gt;
47             &lt;/div&gt;
48             &lt;div class="mb-3"&gt;
49                 &lt;label for="exampleInputPassword1" class="form-label"&gt;Stok&lt;/label&gt;
50                 &lt;input type="number" class="form-control" id="exampleInputPassword1"
51                     name="stock" value="<?= $row['stock']; ?&gt;"&gt;
52             &lt;/div&gt;
53         &lt;button type="submit" class="btn btn-primary" name="btn-edit"&gt;Update&lt;/button&gt;
54     &lt;/form&gt;
55 &lt;/div&gt;
</pre
```



# Update

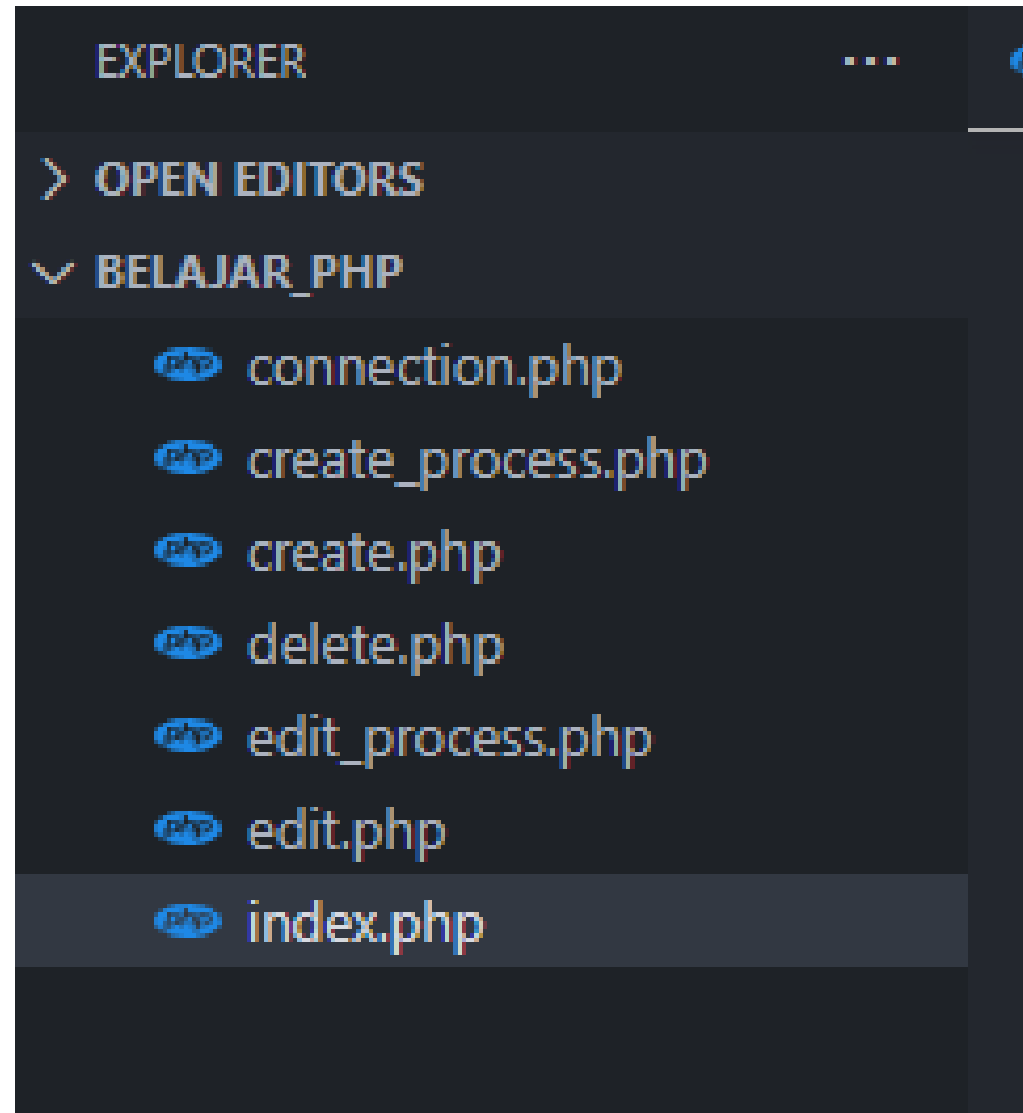
- Pada file edit\_process.php silahkan tambahkan code dibawah.



```
1  <?php
2
3  include "connection.php";
4
5  if (isset($_POST['btn-edit'])) {
6      $id = $_POST['id'];
7      $productName = $_POST['product_name'];
8      $price = $_POST['price'];
9      $stock = $_POST['stock'];
10
11     $query = "UPDATE tbl_product SET product_name='$productName', price='$price',
12     stock='$stock' WHERE id=$id";
13
14     $result = mysqli_query($conn, $query);
15
16     if ($result) {
17         echo "<script>
18         alert('Update data berhasil');
19         window.location.href = 'index.php';
20         </script>";
21     }
22 }
```

# Update

Silahkan buat file delete.php.



# Delete

Silahkan edit tag a yang ada pada file index.php dengan menambahkan parameter id.

```
<td class="d-flex gap-2">
  <a href="edit.php?id=<?= $row['id']; ?>" class="btn
  btn-warning">Edit</a>
  <a href="delete.php?id=<?= $row['id']; ?>" class="btn
  btn-danger">Delete</a>
</td>
```

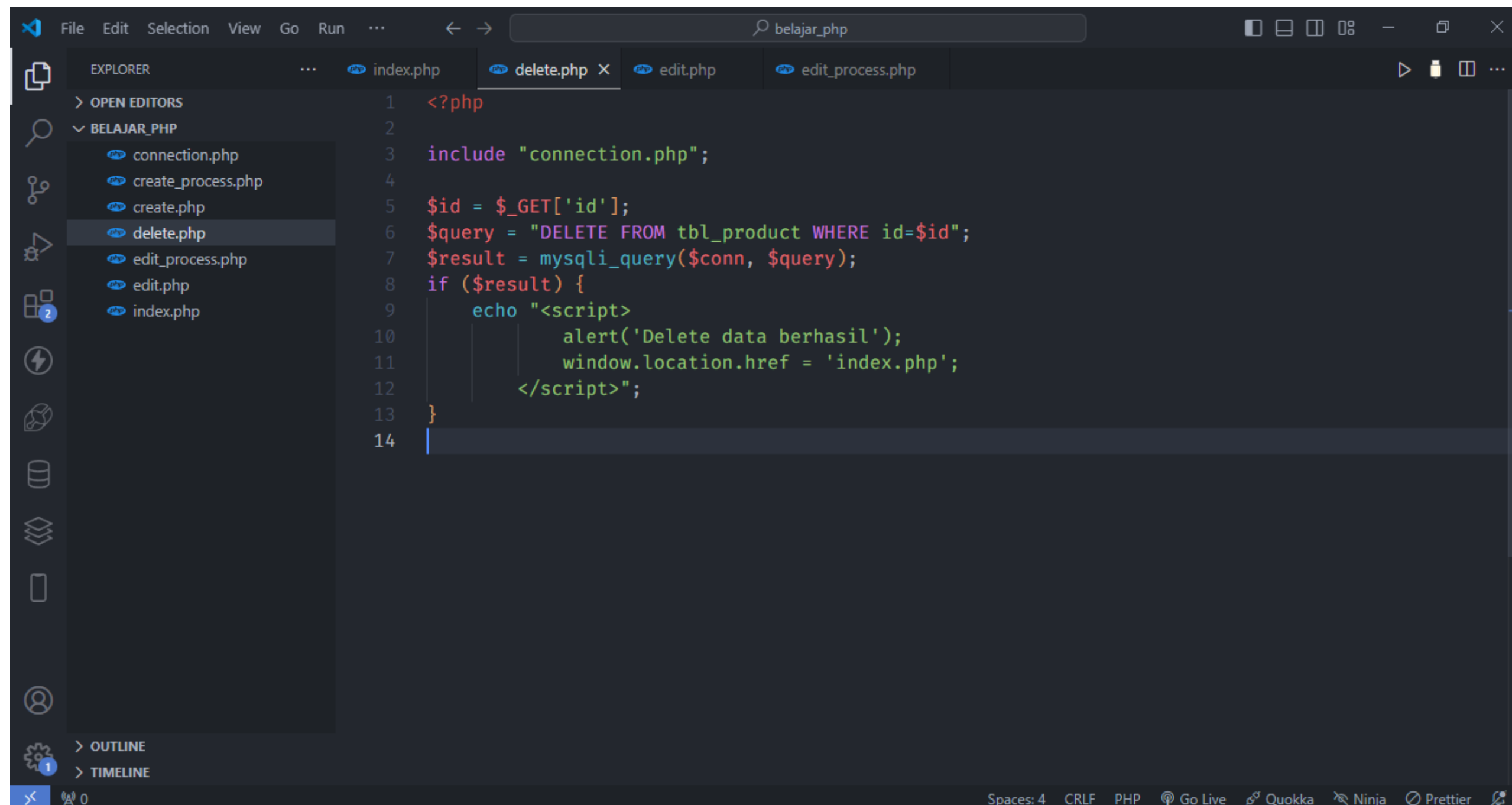
# Delete

Terdapat beberapa Langkah untuk melakukan delete data:

- Ambil query param dari URL
- Melakukan query berdasarkan parameter
- Mendelete data

# Delete

- Pada file delete.php silahkan tambahkan code dibawah.



```
1 <?php
2
3 include "connection.php";
4
5 $id = $_GET['id'];
6 $query = "DELETE FROM tbl_product WHERE id=$id";
7 $result = mysqli_query($conn, $query);
8 if ($result) {
9     echo "<script>
10         alert('Delete data berhasil');
11         window.location.href = 'index.php';
12     </script>";
13 }
14
```

The screenshot shows a code editor with a dark theme. The Explorer panel on the left shows a project named 'BELAJAR\_PHP' with several files: connection.php, create\_process.php, create.php, delete.php (selected), edit\_process.php, edit.php, and index.php. The main editor area displays the PHP code for delete.php. The code includes a database connection, a SQL query to delete a record from 'tbl\_product' based on the 'id' parameter, and a JavaScript alert message to confirm the deletion. The status bar at the bottom indicates 'Spaces: 4', 'CRLF', 'PHP', and various extensions like 'Go Live', 'Quokka', 'Ninja', and 'Prettier'.

Terima Kasih  
ありがとう