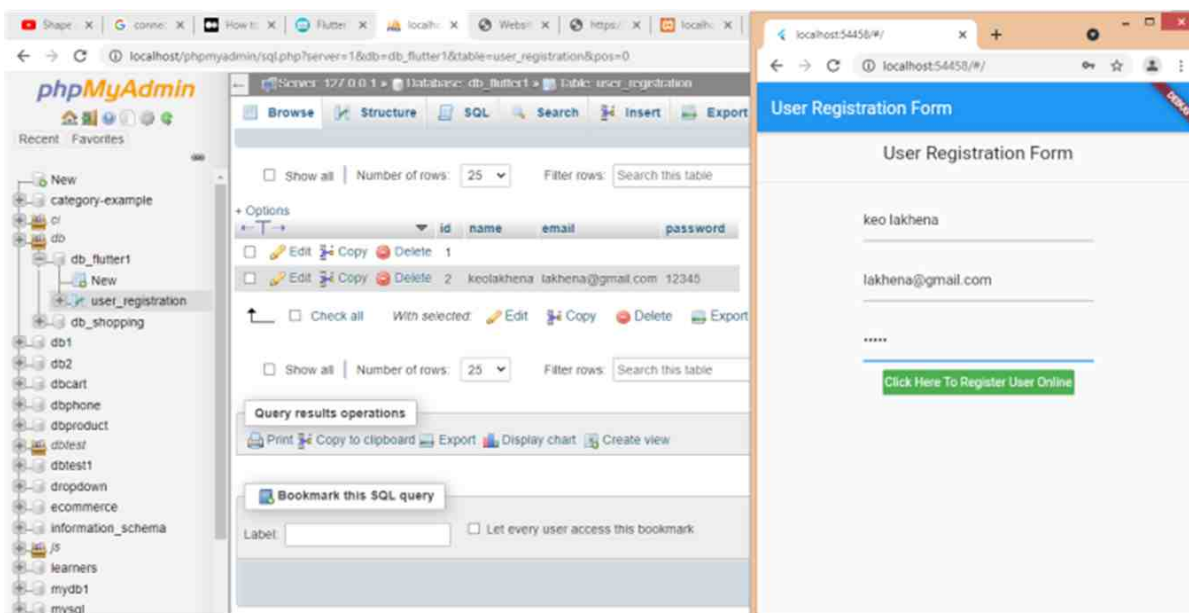


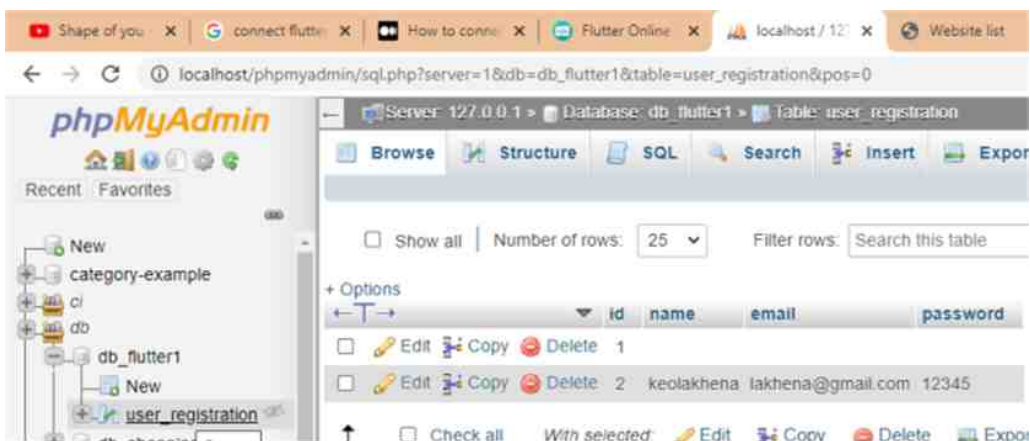
How to create Registration form in flutter to PHP-MySQL

Key feature of this tutorial:

- Online user registration using PHP MySQL.
- Duplicate email address registration forbidden.
- User can only create 1 account with 1 email, If same email found than registration will not be completed unless user enters new email address.



1. Create MySQL database + Table in PhpMyAdmin Server:



Database Name : db_flutter1

Create table

Name: Number of columns:

3. Create 4 Column name inside the Table named as **id**, **name**, **email** and **password**. We have to declare the id as integer data type with **Primary key** with **Auto increment** here. name, email and password should be in **Varchar** data type. Now hit the **Save** button.

localhost/phpmyadmin/tbl_structure.php?db=db_flutter1&table=user_registration

Server: 127.0.0.1 » Database: db_flutter1 » Table: user_registration

Browse Structure SQL Search Insert Export Import

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
<input type="checkbox"/> 1	id	int(50)			No	None		PRIMARY, AUTO_INCREMENT
<input type="checkbox"/> 2	name	varchar(50)	utf8_general_ci		No	None		
<input type="checkbox"/> 3	email	varchar(50)	utf8_general_ci		No	None		
<input type="checkbox"/> 4	password	varchar(50)	utf8_general_ci		No	None		

☐ Check all With selected:

2. Creating PHP Script to Receive the User Registration Data Coming From Flutter App and Insert into MySQL Database:

```

1 <?php
2 $HostName = "localhost";
3 $DatabaseName = "db_flutter";
4 $HostUser = "root";
5 $HostPass = "";
6
7 $con = mysqli_connect($HostName,$HostUser,$HostPass,$DatabaseName);
8 $json = file_get_contents('php://input');
9 $obj = json_decode($json,true);
10 $name = $obj['name'];
11 $email = $obj['email'];
12 $password = $obj['password'];
13

```

register_user.php

```
<?php
$HostName = "localhost";
$DatabaseName = "db_flutter";
$HostUser = "root";
$HostPass = "";

$con = mysqli_connect($HostName,$HostUser,$HostPass,$DatabaseName);
$json = file_get_contents('php://input');
$obj = json_decode($json,true);
$name = $obj['name'];
$email = $obj['email'];
$password = $obj['password'];

// Checking whether Email is Already Exist or Not in MySQL Table.
$CheckSQL = "SELECT * FROM user_registration WHERE email='$email'";
$check = mysqli_fetch_array(mysqli_query($con,$CheckSQL));
if(isset($check)){
    $emailExist = 'Email Already Exist, Please Try Again With New Email Address..!';
    $existEmailJSON = json_encode($emailExist);
    echo $existEmailJSON ;
}
else{
    $Sql_Query = "insert into user_registration (name,email,password)
                  values ('$name','$email','$password')";
    if(mysqli_query($con,$Sql_Query)){
        $MSG = 'User Registered Successfully' ;
        $json = json_encode($MSG);
        echo $json ;
    }
    else{
        echo 'Try Again';
    }
}
mysqli_close($con);
?>
```

3. Start Coding for Flutter App:

main.dart

```
import 'package:flutter/material.dart';
import 'dart:convert';
import 'package:http/http.dart' as http;

void main() => runApp(MyApp());

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: Scaffold(
        appBar: AppBar(title: Text('User Registration Form')),

```

```

        body: Center(
          child: RegisterUser()
        )
      );
    }
  }

class RegisterUser extends StatefulWidget {
  RegisterUserState createState() => RegisterUserState();
}

class RegisterUserState extends State {
  // Boolean variable for CircularProgressIndicator.
  bool visible = false ;

  // Getting value from TextField widget.
  final nameController = TextEditingController();
  final emailController = TextEditingController();
  final passwordController = TextEditingController();

  Future userRegistration() async{

    // Showing CircularProgressIndicator.
    setState(() {
      visible = true ;
    });

    // Getting value from Controller
    String name = nameController.text;
    String email = emailController.text;
    String password = passwordController.text;

    // SERVER API URL
    var url = 'http://localhost/flutter_register/register_user.php';

    // Store all data with Param Name.
    var data = {'name': name, 'email': email, 'password' : password};

    // Starting Web API Call.
    var response = await http.post(url, body: json.encode(data));

    // Getting Server response into variable.
    var message = jsonDecode(response.body);

    // If Web call Success than Hide the CircularProgressIndicator.
    if(response.statusCode == 200){
      setState(() {
        visible = false;
      });
    }
  }
}

```

```

// Showing Alert Dialog with Response JSON Message.
showDialog(
  context: context,
  builder: (BuildContext context) {
    return AlertDialog(
      title: new Text(message),
      actions: <Widget>[
        FlatButton(
          child: new Text("OK"),
          onPressed: () {
            Navigator.of(context).pop();
          },
        ),
      ],
    );
  },
);

}

@override
Widget build(BuildContext context) {
  return Scaffold(
    body: SingleChildScrollView(
      child: Center(
        child: Column(
          children: <Widget>[

            Padding(
              padding: const EdgeInsets.all(12.0),
              child: Text('User Registration Form',
                style: TextStyle(fontSize: 21))),

            Divider(),

            Container(
              width: 280,
              padding: EdgeInsets.all(10.0),
              child: TextField(
                controller: nameController,
                autocorrect: true,
                decoration: InputDecoration(hintText: 'Enter Your Name Here'),
              )
            ),

            Container(
              width: 280,
              padding: EdgeInsets.all(10.0),
              child: TextField(
                controller: emailController,
                autocorrect: true,
                decoration: InputDecoration(hintText: 'Enter Your Email Here'),
              )
            )
          ],
        ),
      ),
    ),
  );
}

```

```

    ),

    Container(
      width: 280,
      padding: EdgeInsets.all(10.0),
      child: TextField(
        controller: passwordController,
        autocorrect: true,
        obscureText: true,
        decoration: InputDecoration(hintText: 'Enter Your Password Here'),
      )
    ),

    RaisedButton(
      onPressed: userRegistration,
      color: Colors.green,
      textColor: Colors.white,
      padding: EdgeInsets.fromLTRB(10, 10, 10, 10),
      child: Text('Click Here To Register User Online'),
    ),

    Visibility(
      visible: visible,
      child: Container(
        margin: EdgeInsets.only(bottom: 30),
        child: CircularProgressIndicator()
      )
    ),
  ],
),
));
}
}

```

4. Open the **pubspec.yaml** file in Code editor and find **dependencies**. Put **http: ^0.12.0** in next line.

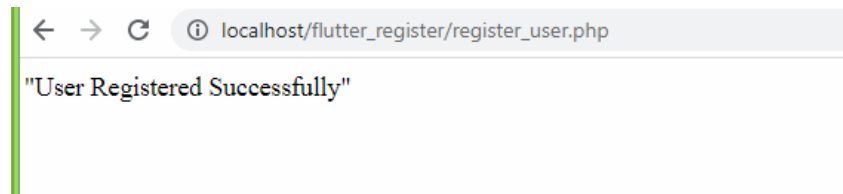
```

1 name: app
2 description: A new Flutter project.
3
4 version: 1.0.0+1
5
6 environment:
7   sdk: ">=2.1.0 <3.0.0"
8
9 dependencies:
10  http: ^0.12.0
11  flutter:
12    sdk: flutter
13
14  cupertino_icons: ^0.1.2
15
16 dev_dependencies:
17  flutter_test:
18    sdk: flutter
19
20
21 flutter:
22
23  uses-material-design: true

```

5. Runing App

Success Register



Duplicate email or data



Flutter App

