Connect MySQL via Internet

```java
package surachet.rmutp.com.connecttomysql;

import android.app.Notification;
import android.app.NotificationManager;
import android.app.PendingIntent;
import android.content.Context;
import android.content.Intent;
import android.graphics.Bitmap;
import android.graphics.BitmapFactory;
import android.support.v4.app.NotificationCompat;
import android.support.v4.content.ContextCompat;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ImageView;
import android.widget.ListView;
import android.widget.SimpleAdapter;
import android.widget.TextView;
import android.widget.Toast;


import com.google.gson.JsonArray;
import com.google.gson.JsonElement;
import com.google.gson.JsonObject;
import com.koushikdutta.async.future.FutureCallback;
import com.koushikdutta.ion.Ion;
import com.koushikdutta.ion.Response;

import org.json.JSONArray;
import org.json.JSONException;
import org.json.JSONObject;

import java.io.IOException;
import java.util.ArrayList;
import java.util.HashMap;


public class act_1 extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.layout_act1);

        final TextView abc1 = (TextView) findViewById(R.id.text_view_result);

        final ListView List1 = (ListView) findViewById(R.id.lst_1);
        final ListView List2 = (ListView) findViewById(R.id.lst_2);

        final ArrayList<HashMap<String, String>> MyArrList = new ArrayList<HashMap<String,
String>>();
        final ArrayList<HashMap<String, String>> MyArrList2 = new ArrayList<HashMap<String,
String>>();
        final String Test1;

        final ArrayList<String> arr_list = new ArrayList<String>();
```

```java
        Ion.with(this)
                .load("http://json.comsci-rmutp.com/json/json3.php")
                .asJsonArray()
                .setCallback(new FutureCallback<JsonArray>() {
                    @Override
                    public void onCompleted(Exception e, JsonArray result) {

                        // do stuff with the result or error
                        for (int i = 0; i < result.size(); i++) {
                            JsonElement elem = result.get(i);
                            JsonObject obj = elem.getAsJsonObject();

                            HashMap<String, String> map = new HashMap<String, String>();
                            map.put("TestID", obj.get("TestID").getAsString());
                            map.put("Test1", obj.get("Test1").getAsString());
                            map.put("TestPic", obj.get("TestPic").getAsString());
                            MyArrList.add(map);

                        }

ArrayAdapter<HashMap<String, String>> adapterDir = new ArrayAdapter<HashMap<String,
String>>(getApplicationContext(), R.layout.my_listview, MyArrList);

List1.setAdapter(adapterDir);

                    }
                });
```

```java
        TextView tv3 = (TextView) findViewById(R.id.textView3);
```

```java
        Ion.with(this)
                .load("http://json.comsci-rmutp.com/json/json3.php")
                .asJsonArray()
                .setCallback(new FutureCallback<JsonArray>() {
                    @Override
                    public void onCompleted(Exception e, JsonArray result) {

                        // do stuff with the result or error
                        for (int i = 0; i < result.size(); i++) {
                            JsonElement elem = result.get(i);
                            JsonObject obj = elem.getAsJsonObject();

                            HashMap<String, String> map = new HashMap<String, String>();
                            map.put("TestID", obj.get("TestID").getAsString());
                            map.put("Test1", obj.get("Test1").getAsString());
                            map.put("TestPic", obj.get("MyPic").getAsString());
                            MyArrList2.add(map);

arr_list.add(obj.get("TestID").getAsString()+","+obj.get("Test1").getAsString()+","+obj.ge
t("MyPic").getAsString());

                        }

                        ArrayAdapter<String> adapterDir2 = new
ArrayAdapter<String>(getApplicationContext(),R.layout.my_listview,arr_list);

                        SimpleAdapter sAdap;
                        sAdap = new SimpleAdapter(act_1.this, MyArrList2, R.layout.adp_1,
new String[] {"TestID", "Test1", "MyPic","MyPic"}, new int[] {R.id.sid, R.id.username,
R.id.sid2,R.id.imageView});

                        List2.setAdapter(sAdap);

                    }
                });
```

```java
        ImageView Img4 = (ImageView) findViewById(R.id.imageView4);

    Ion.with(this)
            .load("http://json.comsci-rmutp.com/json/test3.JPG")
            .withBitmap()
            .intoImageView(Img4);
```

```java
Button Btn1 = (Button) findViewById(R.id.btn_1);
```

```java
    Btn1.setOnClickListener(new View.OnClickListener() {

        @Override
        public void onClick(View arg0) {


        insertreccord();


        }
    });
```

```java
        ImageView Img1 = (ImageView) findViewById(R.id.img1);
        ImageView Img2 = (ImageView) findViewById(R.id.id_img_2);
```

```java
    Ion.with(this)
            .load("http://json.comsci-rmutp.com/json/test3.JPG")
            .withBitmap()
            .placeholder(R.drawable.ic_launcher_background)
            .error(R.drawable.ic_launcher_background)
            .intoImageView(Img1);

    Ion.with(this)
            .load("http://json.comsci-rmutp.com/json/test2.JPG")
            .withBitmap()
            .intoImageView(Img2);
```

```java
    }
```

```java
    public void insertreccord(){

        EditText txt1 = (EditText)findViewById(R.id.id_txt_1);
        EditText txt2 = (EditText)findViewById(R.id.id_txt_2);
        EditText txt3 = (EditText)findViewById(R.id.id_txt_3);

        String Test1 = txt1.getText().toString();
        String Test2 = txt2.getText().toString();
        String TestPic = txt3.getText().toString();


        Ion.with(this)
                .load("http://json.comsci-rmutp.com/json/insert1.php")
                .setBodyParameter("Test1", String.valueOf(Test1))
                .setBodyParameter("Test2",String.valueOf(Test2) )
                .setBodyParameter("TestPic", String.valueOf(TestPic))
                .asString()
                .withResponse()
                .setCallback(new FutureCallback<Response<String>>() {
                    @Override
                    public void onCompleted(Exception e, Response<String> result) {
                        // print the String that was downloaded
                        Toast.makeText(getApplicationContext(), "คุณเพิ่มเรคอร์ดจากการกดปุ่มแล้ว",
Toast.LENGTH_SHORT).show();
                    }
                });

    }




}
```

PHP Code for Show Records

```php
<?

$hostname_surachet = "localhost";

$database_surachet = "surache1_json";

$username_surachet = "surache1_json";

$password_surachet = "json123";

$surachet = mysql_pconnect($hostname_surachet, $username_surachet, $password_surachet) or trigger_error(mysql_error(),E_USER_ERROR);

@mysql_query("SET NAMES 'utf8'");


mysql_select_db($database_surachet, $surachet);

$sth = mysql_query("SELECT tbl_test.TestID,tbl_test.Test1,tbl_test.Test2,tbl_test.TestPic, concat ('http://www.surachet-r.net/gson/',tbl_test.TestPic,'.JPG') AS MyPic FROM tbl_test");
```

```php
$rows = array();

while($r = mysql_fetch_assoc($sth)) {

   $rows[] = $r;

}

print json_encode($rows,JSON_UNESCAPED_UNICODE);
```

```php
?>
```

PHP Code for Insert Records

```php
<?

$hostname_surachet = "localhost";

$database_surachet = "surache1_json";

$username_surachet = "surache1_json";

$password_surachet = "json123";

$surachet = mysql_pconnect($hostname_surachet, $username_surachet, $password_surachet) or trigger_error(mysql_error(),E_USER_ERROR);

@mysql_query("SET NAMES 'utf8'");

mysql_select_db($database_surachet, $surachet);


$t1=$_POST['Test1'];

$t2=$_POST['Test2'];

$tp=$_POST['TestPic'];


$sql = "INSERT INTO tbl_test (Test1,Test2,TestPic) VALUES ('$t1','$t2','$tp')";

$dbquery = mysql_db_query($database_surachet, $sql)or die(mysql_error());


?>
```