

## Sending Contents from Remote Server

### Steps:

#### In App

1. Create form and get data to transfer.
2. Send data to API.

#### Server

1. Create API to receive data.
2. Insert data to database table.

### API to Receive and Insert Data

#### setdata.php

```
<?php
$conn=new mysqli("localhost","root","","bcasixth");
$name=$_POST['name'];
$address=$_POST['address'];

$sql="INSERT INTO student(name,address) VALUES('$name','$address')";
if($conn->query($sql)){
    echo "Data Inserted Successfully!";
}else{
    echo "Failed to Inserted Successfully!";
}
$conn->close();
?>
```

## Send data from APP

#### myactivity.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="10dp"
        android:hint="Enter Name"
        android:id="@+id/edtName"
    />
```

```

<EditText
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="10dp"
    android:hint="Enter Address"
    android:id="@+id/edtAddress"
/>

<Button
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="50dp"
    android:text="Send Data"
    android:id="@+id/btnSend"
/>

</LinearLayout>

MyActivity.java
public class MyActivity extends Activity {
    Button btnSend;
    EditText edtName, edtAddress;
    @Override
    protected void onCreate(Bundle b) {
        super.onCreate(b);
        setContentView(R.layout.myactivity);
        btnSend=findViewById(R.id.btnSend);
        edtName=findViewById(R.id.edtName);
        edtAddress=findViewById(R.id.edtAddress);

        btnSend.setOnClickListener(view->{
            volleyRequest();
        });
    }

    public void volleyRequest() {
        // Instantiate the RequestQueue.
        RequestQueue queue = Volley.newRequestQueue(this);
        //url for localhost
        String url ="http://10.0.2.2/bcaapi/setdata.php";
        // Request a string response from the provided URL.
        StringRequest stringRequest = new
StringRequest(Request.Method.POST, url,
            new Response.Listener<String>() {
                @Override
                public void onResponse(String response) {
                    //response here
                    Toast.makeText(MyActivity.this, response,
Toast.LENGTH_SHORT).show();
                }
            }, new Response.ErrorListener() {
                @Override
                public void onErrorResponse(VolleyError error) {

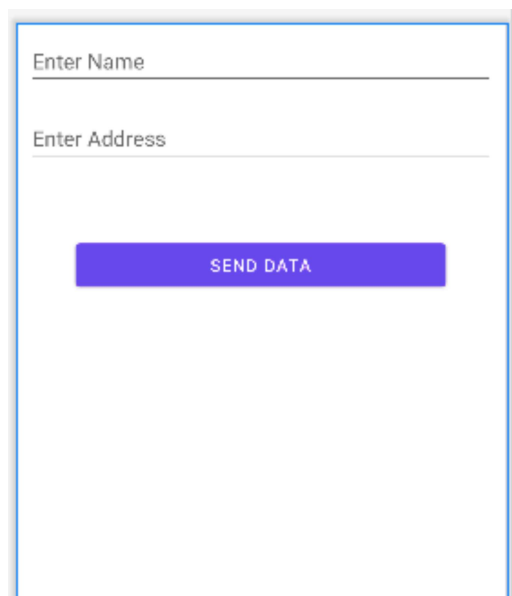
```

```

        //displaying error response message
        Log.d("exception",error.toString());
    } }) {
        //sending data
        @Override
        protected HashMap<String,String> getParams() {
            HashMap<String,String> params = new HashMap<>();
            params.put("name",edtName.getText().toString());
            params.put("address",edtAddress.getText().toString());
            return params;
        }
    };
    // Add the request to the RequestQueue.
    queue.add(stringRequest);
}
}

```

## Output



The screenshot displays a simple user interface within a light blue border. At the top, there is a text input field with the placeholder text "Enter Name". Below it is another text input field with the placeholder text "Enter Address". Centered below these fields is a solid blue rectangular button with the text "SEND DATA" in white, uppercase letters.