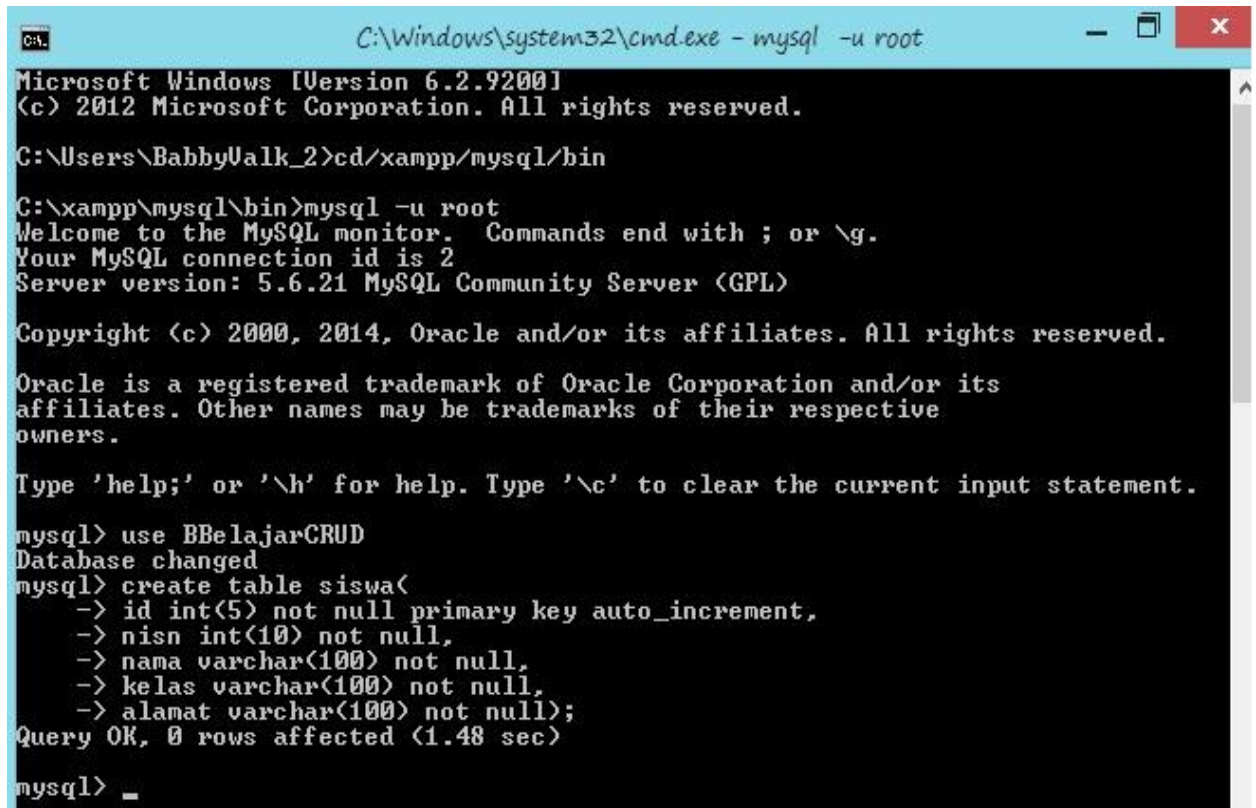


1. Buatlah Database Seperti Gambar di bawah ini



```
C:\Windows\system32\cmd.exe - mysql -u root
Microsoft Windows [Version 6.2.9200]
(c) 2012 Microsoft Corporation. All rights reserved.

C:\Users\BabbyUalk_2>cd/xampp/mysql/bin

C:\xampp\mysql\bin>mysql -u root
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 2
Server version: 5.6.21 MySQL Community Server (GPL)

Copyright (c) 2000, 2014, Oracle and/or its affiliates. All rights reserved.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use BBelajarCRUD
Database changed
mysql> create table siswa(
  -> id int(5) not null primary key auto_increment,
  -> nisp int(10) not null,
  -> nama varchar(100) not null,
  -> kelas varchar(100) not null,
  -> alamat varchar(100) not null);
Query OK, 0 rows affected (1.48 sec)

mysql> _
```

2. Buatlah File PHP untuk proses connection ke mysql
 - a. Buat File Dengan Nama db_config.php

```
db_config.php  *
1  <?php
2  define('DB_USER', "root"); // USER ANDA
3  define('DB_PASSWORD', ""); // PASSWORD ANDA
4  define('DB_DATABASE', "BBelajarCRUD"); // NAMA DATABASE
5  define('DB_SERVER', "localhost"); // SERVER ANDA
6  ?>
7
```

- b. Buat File Dengan Nama db_connect.php

```
db_config.php  *  db_connect.php  *
1  <?php
2
3  class DB_CONNECT {
4      function __construct() {
5
6          $this->connect();
7      }
8
9      function __destruct() {
10         $this->close();
11     }
12
13     function connect() {
14         require_once __DIR__ . '/db_config.php';
15
16         $con = mysql_connect(DB_SERVER, DB_USER, DB_PASSWORD) or die(mysql_error());
17
18         $db = mysql_select_db(DB_DATABASE) or die(mysql_error()) or die(mysql_error());
19
20         return $con;
21     }
22
23     function close() {
24         mysql_close();
25     }
26
27 }
28
29 ?>
30
```

c. Buat File Dengan Nama getAllSiswa.php

```
db_config.php x db_connect.php x getAllSiswa.php x
1 <?php
2 |
3 $response = array();
4
5
6 require_once __DIR__ . '/db_connect.php';
7
8 $db = new DB_CONNECT();
9
10
11 $result = mysql_query("SELECT *FROM siswa") or die(mysql_error());
12
13 if (mysql_num_rows($result) > 0) {
14
15     $response["siswa"] = array();
16
17     while ($row = mysql_fetch_array($result)) {
18         $siswa = array();
19         $siswa["nispn"] = $row["nispn"];
20         $siswa["nama"] = $row["nama"];
21         $siswa["kelas"] = $row["kelas"];
22         $siswa["alamat"] = $row["alamat"];
23
24         array_push($response["siswa"], $siswa);
25     }
26     $response["success"] = 1;
27
28     echo json_encode($response);
29 } else {
30     $response["success"] = 0;
31     $response["message"] = "Tidak ada data yang ditemukan";
32
33     echo json_encode($response);
34 }
35 }
36 ?>
```

d. Buat File Dengan Nama create_siswa.php

```
db_config.php x db_connect.php x getAllSiswa.php x create_siswa.php x
1 <?php
2
3 $response = array();
4
5 if (isset($_POST['nisan']) && isset($_POST['nama']) && isset($_POST['kelas']) && isset($_POST['alamat'])) {
6
7     $nisan = $_POST['nisan'];
8     $nama = $_POST['nama'];
9     $kelas = $_POST['kelas'];
10    $alamat = $_POST['alamat'];
11    require_once __DIR__ . '/db_connect.php';
12
13    $db = new DB_CONNECT();
14
15    $result = mysql_query("INSERT INTO siswa(nisan, nama, kelas, alamat) VALUES ('$nisan', '$nama', '$kelas', '$alamat')");
16
17    if ($result) {
18        $response["success"] = 1;
19        $response["message"] = "membuat data berhasil";
20
21        echo json_encode($response);
22    } else {
23        $response["success"] = 0;
24        $response["message"] = "Sistem mendeteksi kesalahan, silahkan coba lagi";
25
26        echo json_encode($response);
27    }
28 } else {
29     $response["success"] = 0;
30     $response["message"] = "Silahkan lengkapi aksi sebelum memulai permintaan anda";
31
32     echo json_encode($response);
33 }
34 }>
```

e. Buat File Dengan Nama `get_siswa_details.php`

```
db_config.php x db_connect.php x getAllSiswa.php x create_siswa.php x get_siswa_details.php x
1 <?php
2
3 $response = array();
4
5 require_once __DIR__ . '/db_connect.php';
6
7 $db = new DB_CONNECT();
8
9 if (isset($_GET["id"]))
10 {
11
12     $id = $_GET['id'];
13
14     $result = mysql_query("SELECT *FROM siswa WHERE id = $id");
15     if (!empty($result))
16     {
17         if (mysql_num_rows($result) > 0)
18         {
19             $result = mysql_fetch_array($result);
20             $siswa = array();
21             $siswa["id"] = $result["id"];
22             $siswa["nisn"] = $result["nisn"];
23             $siswa["nama"] = $result["nama"];
24             $siswa["kelas"] = $result["kelas"];
25             $siswa["alamat"] = $result["alamat"];
26             $response["success"] = 1;
27             $response["siswa"] = array();
28             array_push($response["siswa"], $siswa);
29             echo json_encode($response);
30         }
31         else
32         {
33             $response["success"] = 0;
34             $response["message"] = "Tidak ada data";
35             echo json_encode($response);
36         }
37     }
38 }
39
40 else
41 {
42     $response["success"] = 0;
43     $response["message"] = "Tidak ada data";
44
45     echo json_encode($response);
46 }
47 }
48 else
49 {
50     $response["success"] = 0;
51     $response["message"] = "Silahkan lengkapi permintaan anda";
52
53     echo json_encode($response);
54 }
55 ?>
```


f. Buat File Dengan Nama delete_siswa.php

```
db_config.php x db_connect.php x getAllSiswa.php x create_siswa.php x get_siswa_details.php x delete_siswa.php x
1 <?php
2
3 $response = array();
4
5 if (isset($_POST['id']))
6 {
7     $id = $_POST['id'];
8
9     require_once __DIR__ . '/db_connect.php';
10
11     $db = new DB_CONNECT();
12
13     $result = mysql_query("DELETE FROM siswa WHERE id = $id");
14
15     if (mysql_affected_rows() > 0)
16     {
17         $response["success"] = 1;
18         $response["message"] = "Data berhasil di hapus";
19
20         echo json_encode($response);
21     }
22     else
23     {
24         $response["success"] = 0;
25         $response["message"] = "Tidak ada data yang tersedia";
26
27         echo json_encode($response);
28     }
29 }
30 else
31 {
32     $response["success"] = 0;
33     $response["message"] = "Aksi tidak bisa di lakukan";
34     echo json_encode($response);
35 }
36 ?>
```

g. Buat File Dengan Nama update_siswa.php

```
getAllSiswa.php x create_siswa.php x get_siswa_details.php x delete_siswa.php x update_siswa.php x
1 <?php
2
3 $response = array();
4
5 if (isset($_POST['id']) && isset($_POST['nisan']) && isset($_POST['nama']) && isset($_POST['kelas']) && isset($_POST['alamat'])) {
6
7     $id = $_POST['id'];
8     $nisan = $_POST['nisan'];
9     $nama = $_POST['nama'];
10    $kelas = $_POST['kelas'];
11    $alamat = $_POST['alamat'];
12    require_once __DIR__ . '/db_connect.php';
13
14    $db = new DB_CONNECT();
15
16    $result = mysql_query("UPDATE siswa SET nisan = '$nisan', nama = '$nama', kelas = '$kelas', alamat = '$alamat' WHERE id = $id");
17
18    if ($result)
19    {
20        $response["success"] = 1;
21        $response["message"] = "Data anda berhasil di perbarui";
22        echo json_encode($response);
23    }
24    else
25    {
26
27    }
28 }
29 else
30 {
31     $response["success"] = 0;
32     $response["message"] = "Mohon kelengkapan data anda";
33     echo json_encode($response);
34 }
35 ?>
```

3. New Application Dengan Format seperti di bawah ini



New Android Application
Creates a new Android Application

Application Name:

Project Name:

Package Name:

Minimum Required SDK:

Target SDK:

Compile With:

Theme:



4. Membuat Class baru dengan Nama JSONParser

Java Class
Create a new Java class.

Source folder:

Package:

☐ Enclosing type:

Name:

Modifiers: ☒ public ☐ default ☐ private ☐ protected
☐ abstract ☐ final ☐ static

Superclass:

Interfaces:

Which method stubs would you like to create?

☐ public static void main(String[] args)
☐ Constructors from superclass
☒ Inherited abstract methods

Do you want to add comments? (Configure templates and default value [here](#))
☐ Generate comments

5. Masukkan Codingan Dibawah ini Di JSONParser.class

JSONParser Part 1

```
MainActivity.java  activity_main.xml  JSONParser.java X
1 package com.fafa.bbelaajarcrud;
2
3 import java.io.BufferedReader;
4 import java.io.IOException;
5 import java.io.InputStream;
6 import java.io.InputStreamReader;
7 import java.io.UnsupportedEncodingException;
8 import java.util.List;
9 import org.apache.http.HttpEntity;
10 import org.apache.http.HttpResponse;
11 import org.apache.http.NameValuePair;
12 import org.apache.http.client.ClientProtocolException;
13 import org.apache.http.client.entity.UrlEncodedFormEntity;
14 import org.apache.http.client.methods.HttpGet;
15 import org.apache.http.client.methods.HttpPost;
16 import org.apache.http.client.utils.URLEncodedUtils;
17 import org.apache.http.impl.client.DefaultHttpClient;
18 import org.json.JSONException;
19 import org.json.JSONObject;
20
21 import android.util.Log;
22
23 public class JSONParser {
24
25     static InputStream is = null;
26     static JSONObject jobj = null;
27     static String json = "";
28
29     public JSONParser() {
30
31     }
32
33     public JSONObject makeHttpRequest(String url,
34         String method, List<NameValuePair> params) {
35
```

JSONParser Part 2

```
MainActivity.java  activity_main.xml  JSONParser.java ✕

32
33 public JSONObject makeHttpRequest(String url,
34     String method, List<NameValuePair> params) {
35
36     try {
37         if(method == "POST") {
38             DefaultHttpClient httpClient = new DefaultHttpClient();
39             HttpPost httpPost = new HttpPost(url);
40             httpPost.setEntity(new UrlEncodedFormEntity(params));
41
42             HttpResponse httpResponse = httpClient.execute(httpPost);
43             HttpEntity httpEntity = httpResponse.getEntity();
44             is = httpEntity.getContent();
45
46         } else if(method == "GET") {
47             DefaultHttpClient httpClient = new DefaultHttpClient();
48             String paramString = URLEncodedUtils.format(params, "utf-8");
49             url += "?" + paramString;
50             HttpGet httpGet = new HttpGet(url);
51
52             HttpResponse httpResponse = httpClient.execute(httpGet);
53             HttpEntity httpEntity = httpResponse.getEntity();
54             is = httpEntity.getContent();
55         }
56
57     } catch (UnsupportedEncodingException e) {
58         e.printStackTrace();
59     } catch (ClientProtocolException e) {
60         e.printStackTrace();
61     } catch (IOException e) {
62         e.printStackTrace();
63     }
64
65     try {
66         BufferedReader reader = new BufferedReader(new InputStreamReader(is, "iso-8859-1"), 8);
```

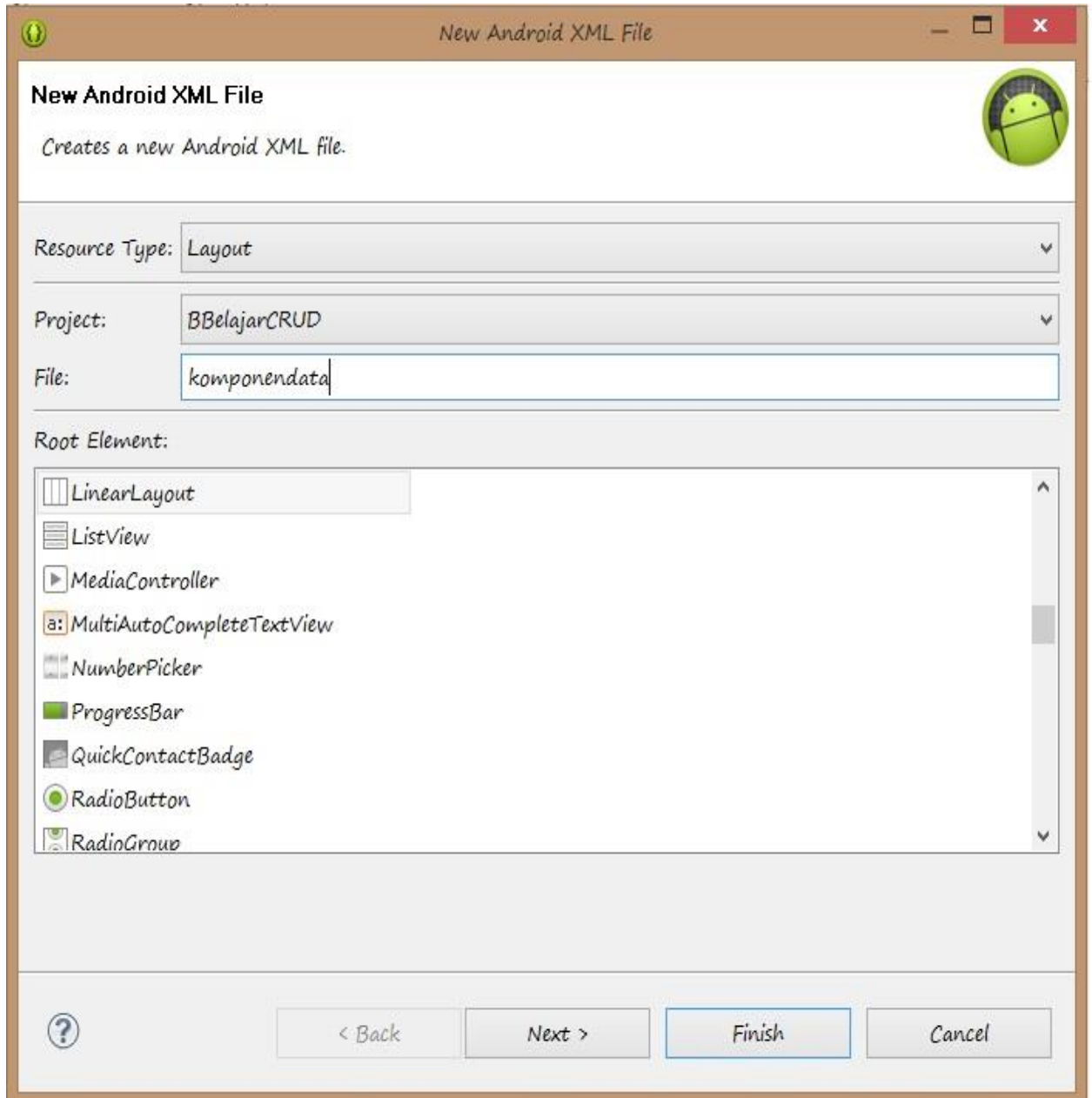
JSONParser Part 3

```
MainActivity.java  activity_main.xml  JSONParser.java  X
55         }
56
57     } catch (UnsupportedEncodingException e) {
58         e.printStackTrace();
59     } catch (ClientProtocolException e) {
60         e.printStackTrace();
61     } catch (IOException e) {
62         e.printStackTrace();
63     }
64
65     try {
66         BufferedReader reader = new BufferedReader(new InputStreamReader(is, "iso-8859-1"), 8);
67         StringBuilder sb = new StringBuilder();
68         String line = null;
69         while((line = reader.readLine()) != null) {
70             sb.append(line + "\n");
71         }
72         is.close();
73         json = sb.toString();
74     } catch (Exception e) {
75         Log.e("Buffer Error", "Error converting result " + e.toString());
76     }
77
78     try {
79         jsonObj = new JSONObject(json);
80     } catch (JSONException e) {
81         Log.e("JSON Parser", "Error parsing data " + e.toString());
82     }
83
84     return jsonObj;
85 }
86
87 }
88
89 // Copyright BabbyValk @2015
90 // babbyvalk@gmail.com
```

6. Masukkan Codingan di bawah ini di **Activity_main.xml**

```
MainActivity.java activity_main.xml JSONParser.java
1 <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
2   xmlns:tools="http://schemas.android.com/tools"
3   android:layout_width="match_parent"
4   android:layout_height="match_parent"
5   android:paddingBottom="@dimen/activity_vertical_margin"
6   android:paddingLeft="@dimen/activity_horizontal_margin"
7   android:paddingRight="@dimen/activity_horizontal_margin"
8   android:paddingTop="@dimen/activity_vertical_margin"
9   tools:context="com.fafa.bbelaajarcrud.MainActivity" >
10
11   <TextView
12       android:id="@+id/textView1"
13       android:layout_width="wrap_content"
14       android:layout_height="wrap_content"
15       android:layout_alignParentTop="true"
16       android:layout_centerHorizontal="true"
17       android:text="Daftar List Data Siswa"
18       android:textSize="27dp" />
19
20   <ListView
21       android:id="@android:id/list"
22       android:layout_width="match_parent"
23       android:layout_height="match_parent"
24       android:layout_alignLeft="@+id/textView1"
25       android:layout_alignRight="@+id/textView1"
26       android:layout_below="@+id/textView1"
27       android:layout_weight="0.27" >
28
29   </ListView>
30
31 </RelativeLayout>
```

7. Buat xml pada layout dengan nama komponendata.xml



8. Masukkan Codingan di bawah ini pada komponendata.xml

a. Part 1

[illegible]

b. Part 2

```

33 </TableLayout>
34
35 <TableLayout android:layout_width="fill_parent"
36     android:layout_height="fill_parent">
37     <TableRow
38         android:layout_width="wrap_content"
39         android:layout_height="wrap_content"
40         android:orientation="horizontal">
41         <TextView
42             android:id="@+id/textView3"
43             android:layout_width="wrap_content"
44             android:layout_height="wrap_content"
45             android:text="NISN\t|\t|\t|\t|\t|\t|\t|:"
46             android:textSize="20dp"
47             android:textColor="@android:color/black"/>
48         <TextView
49             android:id="@+id/textNISN"
50             android:layout_width="wrap_content"
51             android:layout_height="wrap_content"
52             android:text="TextView"
53             android:textSize="15dp"
54             android:textColor="@android:color/black" />
55     </TableRow>
56 </TableLayout>
57
58 <TableLayout android:layout_width="fill_parent"
59     android:layout_height="fill_parent">
60     <TableRow
61         android:layout_width="wrap_content"
62         android:layout_height="wrap_content"
63         android:orientation="horizontal">
64         <TextView
65             android:id="@+id/textView4"

```


c. Part 3

komponendata.xml

d. Part 4

```
<?xml version='1.0' encoding='utf-8'?>  
    <TextView  
        android:id="@+id/textT"  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:text="Kelas\t\t\t\t\t\t\t\t"  
        android:textSize="20dp"  
        android:textColor="@android:color/black" />  
  
    <TextView  
        android:id="@+id/textKELAS"  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:text="TextView"  
        android:textSize="15dp"  
        android:textColor="@android:color/black"/>  
</TableRow>  
</TableLayout>  
  
<TableLayout android:layout_width="fill_parent"  
    android:layout_height="fill_parent">  
    <TableRow  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:orientation="horizontal">  
        <TextView  
            android:id="@+id/textView7"  
            android:layout_width="wrap_content"  
            android:layout_height="wrap_content"  
            android:text="Alamat\t\t\t\t\t\t\t"  
            android:textSize="20dp"  
            android:textColor="@android:color/black"/>
```

e. Part 5

```
kompendata.xml
```

```
107  
108 </TableRow>  
109 </TableLayout>  
110  
111 <TableLayout android:layout_width="fill_parent"  
112     android:layout_height="fill_parent">  
113     <TableRow  
114         android:layout_width="wrap_content"  
115         android:layout_height="wrap_content"  
116         android:orientation="horizontal">  
117         <TextView  
118             android:id="@+id/textView7"  
119             android:layout_width="wrap_content"  
120             android:layout_height="wrap_content"  
121             android:text="Alamat\t\t\t\t\t\t\t\t"  
122             android:textSize="20dp"  
123             android:textColor="@android:color/black"/>  
124  
125         <TextView  
126             android:id="@+id/textALAMAT"  
127             android:layout_width="wrap_content"  
128             android:layout_height="wrap_content"  
129             android:text="TextView"  
130             android:textSize="15dp"  
131             android:textColor="@android:color/black"/>  
132     </TableRow>  
133 </TableLayout>  
134 </LinearLayout>  
135  
136 </LinearLayout>  
137 </LinearLayout>
```

9. Masukkan Codingan seperti gambah di bawah ini pada **MainActivity.class** untuk menampilkan data ke ListView.

a. Part 1

```
MainActivity.java
1 package com.fafa.bbelajarcrud;
2
3 import java.util.ArrayList;
4 import java.util.HashMap;
5 import java.util.List;
6 import org.apache.http.NameValuePair;
7 import org.json.JSONArray;
8 import org.json.JSONException;
9 import org.json.JSONObject;
10 import android.app.ListActivity;
11 import android.app.ProgressDialog;
12 import android.content.Intent;
13 import android.os.AsyncTask;
14 import android.os.Bundle;
15 import android.util.Log;
16 import android.view.View;
17 import android.widget.AdapterView;
18 import android.widget.AdapterView.OnItemClickListener;
19 import android.widget.Button;
20 import android.widget.ListAdapter;
21 import android.widget.ListView;
22 import android.widget.SimpleAdapter;
23 import android.widget.TextView;
24
25 public class MainActivity extends ListActivity {
26     Button tambah;
27     private ProgressDialog pDialog;
28     Button kembali;
29     JSONParser jParser = new JSONParser();
30     ArrayList<HashMap<String, String>> listsiswal;
31
32     private static String url_semua_siswa = "http://192.168.1.148/BBelajarCRUD/getAllSiswa.php";
33     private static final String TAG_SUCCESS = "success";
34     private static final String TAG_SISWA = "siswa";
35     private static final String TAG_ID = "id";
```


b. Part 2

```
MainActivity.java
34 private static final String TAG_SISWA = "siswa";
35 private static final String TAG_ID = "id";
36 private static final String TAG_NISN = "nisn";
37 private static final String TAG_NAMA = "nama";
38 private static final String TAG_KELAS = "kelas";
39 private static final String TAG_ALAMAT = "alamat";
40
41 JSONArray listsiswa = null;
42 @Override
43 protected void onCreate(Bundle savedInstanceState) {
44     super.onCreate(savedInstanceState);
45     setContentView(R.layout.activity_main);
46     listsiswa = new ArrayList<HashMap<String, String>>();
47     new LoadSemuaDataSiswa().execute();
48     tambah = (Button) findViewById(R.id.btnTambah);
49     tambah.setOnClickListener(new View.OnClickListener() {
50
51         @Override
52         public void onClick(View v) {
53             // TODO Auto-generated method stub
54             Intent i = new Intent(MainActivity.this, TambahActivity.class);
55             startActivity(i);
56
57         }
58     });
59     ListView lv = getListView();
60     lv.setOnItemClickListener(new OnItemClickListener() {
61
62         @Override
63         public void onItemClick(AdapterView<?> parent, View view,
64             int position, long pid) {
65             // TODO Auto-generated method stub
66             String id = ((TextView) view.findViewById(R.id.textID)).getText().toString();
67             Intent edit = new Intent(getApplicationContext(), EditDataActivity.class);
68             edit.putExtra(TAG_ID, id);
```

c. Part 3

```
MainActivity.java
67         Intent edit = new Intent(getApplicationContext(), EditDataActivity.class);
68         edit.putExtra(TAG_ID, id);
69         startActivityForResult(edit, 100);
70     }
71
72     });
73 }
74
75 class LoadSemuaDataSiswa extends AsyncTask<String, String, String>
76 {
77     @Override
78     protected void onPreExecute() {
79         // TODO Auto-generated method stub
80         super.onPreExecute();
81         pDialog = new ProgressDialog(MainActivity.this);
82         pDialog.setMessage("Mohon tunggu, loading data...");
83         pDialog.setIndeterminate(false);
84         pDialog.setCancelable(false);
85         pDialog.show();
86     }
87     @Override
88     protected String doInBackground(String... params) {
89         // TODO Auto-generated method stub
90         List<NameValuePair> param = new ArrayList<NameValuePair>();
91         JSONObject json = jParser.makeHttpRequest(url_semua_siswa, "GET", param);
92         Log.d("Semua Daftar Makanan", json.toString());
93         try
94         {
95             int success = json.getInt(TAG_SUCCESS);
96             if(success == 1)
97             {
98                 listsiswa = json.getJSONArray(TAG_SISWA);
99                 for(int i = 0; i < listsiswa.length(); i++)
100                 {
101                     JSONObject c = listsiswa.getJSONObject(i);
```

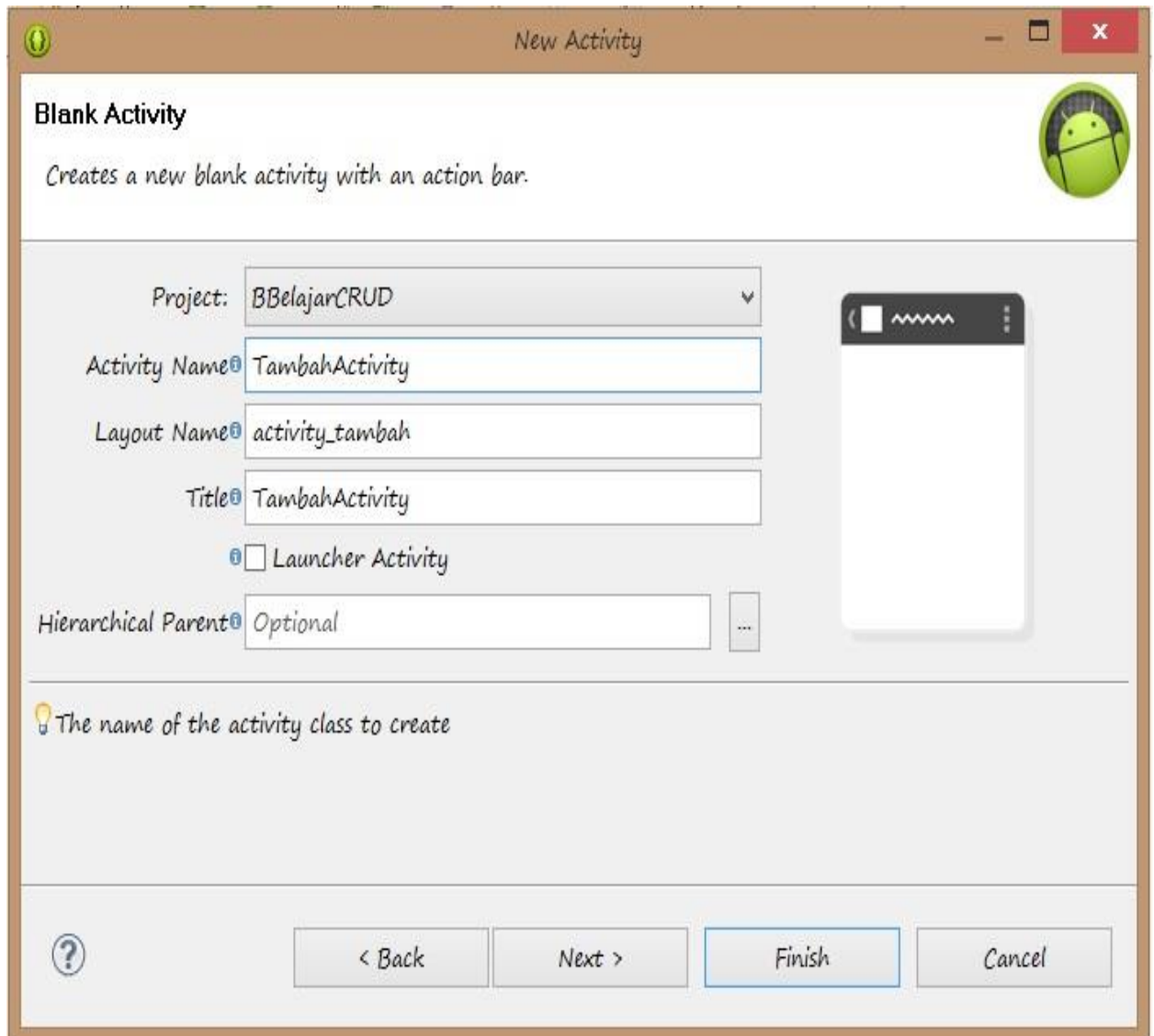
d. Part 4

```
MainActivity.java
100         {
101             JSONObject c = listsiswa.getJSONObject(i);
102             String id = c.getString(TAG_ID);
103             String nisan = c.getString(TAG_NISN);
104             String nama = c.getString(TAG_NAMA);
105             String kelas = c.getString(TAG_KELAS);
106             String alamat = c.getString(TAG_ALAMAT);
107
108             HashMap<String, String> map = new HashMap<String, String>();
109
110             map.put(TAG_ID, id);
111             map.put(TAG_NISN, nisan);
112             map.put(TAG_NAMA, nama);
113             map.put(TAG_KELAS, kelas);
114             map.put(TAG_ALAMAT, alamat);
115
116             listsiswa1.add(map);
117         }
118     }
119     else
120     {
121
122     }
123 }
124 catch(JSONException e)
125 {
126     e.printStackTrace();
127 }
128 return null;
129 }
130 @Override
131 protected void onPostExecute(String file_url) {
132     // TODO Auto-generated method stub
133     pDialog.dismiss();
134     runOnUiThread(new Runnable() {
```

e. Part 5

```
MainActivity.java
114         map.put(TAG_ALAMAT, alamat);
115
116         listsiswa1.add(map);
117     }
118 }
119 else
120 {
121
122 }
123 }
124 catch (JSONException e)
125 {
126     e.printStackTrace();
127 }
128 return null;
129 }
130 @Override
131 protected void onPostExecute(String file_url) {
132     // TODO Auto-generated method stub
133     pDialog.dismiss();
134     runOnUiThread(new Runnable() {
135
136     @Override
137     public void run() {
138         // TODO Auto-generated method stub
139         ListAdapter adapter = new SimpleAdapter(MainActivity.this, listsiswa1, R.layout.komponendata,
140             new String[] {TAG_ID, TAG_NISN, TAG_NAMA, TAG_KELAS, TAG_ALAMAT}, new int[]
141             {R.id.textID, R.id.textNISN, R.id.textNAMA, R.id.textKELAS, R.id.textALAMAT});
142         setListAdapter(adapter);
143     }
144     });
145 }
146 }
147 }
148
```


10. Untuk Tambah Data Buat Android Activity dengan nama file seperti gambar berikut



Blank Activity
Creates a new blank activity with an action bar.

Project: BBelajarCRUD

Activity Name: TambahActivity

Layout Name: activity_tambah

Title: TambahActivity

☐ Launcher Activity

Hierarchical Parent: Optional

The name of the activity class to create

< Back Next > Finish Cancel

11. Masukkan codingan seperti gambar di bawah ini pada activity_tambah.xml

a. Part 1

```
activity_tambah.xml ✕
1 <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
2   xmlns:tools="http://schemas.android.com/tools"
3   android:layout_width="match_parent"
4   android:layout_height="match_parent"
5   android:paddingBottom="@dimen/activity_vertical_margin"
6   android:paddingLeft="@dimen/activity_horizontal_margin"
7   android:paddingRight="@dimen/activity_horizontal_margin"
8   android:paddingTop="@dimen/activity_vertical_margin"
9   tools:context="com.fafa.bbelaajarcrud.TambahActivity" >
10
11   <TextView
12       android:id="@+id/textView1"
13       android:layout_width="wrap_content"
14       android:layout_height="wrap_content"
15       android:layout_alignParentTop="true"
16       android:layout_centerHorizontal="true"
17       android:layout_marginTop="14dp"
18       android:text="Tambah Data Siswa"
19       android:textSize="27dp" />
20
21   <EditText
22       android:id="@+id/editNISN"
23       android:layout_width="wrap_content"
24       android:layout_height="wrap_content"
25       android:layout_alignParentLeft="true"
26       android:layout_alignParentRight="true"
27       android:layout_below="@+id/textView1"
28       android:ems="10"
29       android:hint="NISN"/>
30
```

b. Part 2

```
activity_tambah.xml
27         android:layout_below="@id/textview1
28         android:ems="10"
29         android:hint="NISN"/>
30
31     <EditText
32         android:id="@+id/editNAMA"
33         android:layout_width="wrap_content"
34         android:layout_height="wrap_content"
35         android:layout_alignLeft="@id/editNISN"
36         android:layout_alignRight="@id/editNISN"
37         android:layout_below="@id/editNISN"
38         android:ems="10"
39         android:hint="NAMA" />
40
41     <EditText
42         android:id="@+id/editKELAS"
43         android:layout_width="wrap_content"
44         android:layout_height="wrap_content"
45         android:layout_alignLeft="@id/editNAMA"
46         android:layout_alignRight="@id/editNAMA"
47         android:layout_below="@id/editNAMA"
48         android:ems="10"
49         android:hint="KELAS" />
50
51     <EditText
52         android:id="@+id/editALAMAT"
53         android:layout_width="wrap_content"
54         android:layout_height="wrap_content"
55         android:layout_alignLeft="@id/editKELAS"
56         android:layout_centerVertical="true"
57         android:ems="13"
58         android:hint="Alamat"
59         android:lines="3" />
60
```

c. Part 3

```
activity_tambah.xml
48     android:ems="10"
49     android:hint="KELAS" />
50
51     <EditText
52         android:id="@+id/editALAMAT"
53         android:layout_width="wrap_content"
54         android:layout_height="wrap_content"
55         android:layout_alignLeft="@+id/editKELAS"
56         android:layout_centerVertical="true"
57         android:ems="13"
58         android:hint="Alamat"
59         android:lines="3" />
60
61     <Button
62         android:id="@+id/btnTambahData"
63         android:layout_width="wrap_content"
64         android:layout_height="wrap_content"
65         android:layout_alignLeft="@+id/editALAMAT"
66         android:layout_alignRight="@+id/editALAMAT"
67         android:layout_below="@+id/editALAMAT"
68         android:layout_marginTop="20dp"
69         android:text="Tambah Data" />
70
71     <Button
72         android:id="@+id/btnBatal"
73         android:layout_width="wrap_content"
74         android:layout_height="wrap_content"
75         android:layout_alignLeft="@+id/btnTambahData"
76         android:layout_alignRight="@+id/btnTambahData"
77         android:layout_below="@+id/btnTambahData"
78         android:text="Kembali" />
79
80 </RelativeLayout>
```

12. Masukkan Codingan seperti gambar di bawah ini pada TambahActivity.class

a. Part 1

```
TambahActivity.java
1 package com.fafa.bbelajarcrud;
2
3 import java.util.ArrayList;
4 import java.util.List;
5
6 import org.apache.http.NameValuePair;
7 import org.apache.http.message.BasicNameValuePair;
8 import org.json.JSONException;
9 import org.json.JSONObject;
10
11 import android.app.Activity;
12 import android.app.ProgressDialog;
13 import android.content.Intent;
14 import android.os.AsyncTask;
15 import android.os.Bundle;
16 import android.view.View;
17 import android.widget.Button;
18 import android.widget.EditText;
19
20 public class TambahActivity extends Activity {
21     private ProgressDialog pDialog;
22
23     JSONParser jsonParser = new JSONParser();
24     private static String url_tambah_siswa = "http://192.168.1.148/BBelajarCRUD/create_siswa.php";
25
26     private static final String TAG_SUCCESS = "success";
27     private static final String TAG_NISN = "nisn";
28     private static final String TAG_NAMA = "nama";
29     private static final String TAG_KELAS = "kelas";
30     private static final String TAG_ALAMAT = "alamat";
31
32     EditText editADDNISN, editADDNAMA, editADDkelas, editADDALAMAT;
33     Button tambahdata, kembali;
34
35     @Override
```


b. Part 2

```
TambahActivity.java
35 @Override
36 protected void onCreate(Bundle savedInstanceState) {
37     super.onCreate(savedInstanceState);
38     setContentView(R.layout.activity_tambah);
39
40     editADDNISN = (EditText) findViewById(R.id.editNISN);
41     editADDNAMA = (EditText) findViewById(R.id.editNAMA);
42     editADDkelas = (EditText) findViewById(R.id.editKELAS);
43     editADDALAMAT = (EditText) findViewById(R.id.editALAMAT);
44
45     tambahdata = (Button) findViewById(R.id.btnTambahData);
46     tambahdata.setOnClickListener(new View.OnClickListener() {
47
48         @Override
49         public void onClick(View v) {
50             // TODO Auto-generated method stub
51             new TambahSiswa().execute();
52
53         }
54     });
55     kembali = (Button) findViewById(R.id.btnBatalakan);
56     kembali.setOnClickListener(new View.OnClickListener() {
57
58         @Override
59         public void onClick(View v) {
60             // TODO Auto-generated method stub
61             Intent kembali = new Intent(TambahActivity.this, MainActivity.class);
62             startActivity(kembali);
63
64         }
65     });
66 }
67 class TambahSiswa extends AsyncTask<String, String, String>
68 {
69     @Override
```

c. Part 3

```
TambahActivity.java
67 class TambahSiswa extends AsyncTask<String, String, String>
68 {
69     @Override
70     protected void onPreExecute() {
71         // TODO Auto-generated method stub
72         super.onPreExecute();
73         progressDialog = new ProgressDialog(TambahActivity.this);
74         progressDialog.setMessage("Sedang membuat pendaftaran...");
75         progressDialog.setIndeterminate(false);
76         progressDialog.setCancelable(true);
77         progressDialog.show();
78     }
79     @Override
80     protected String doInBackground(String... params) {
81         // TODO Auto-generated method stub
82
83
84         String nisp = editADDNISN.getText().toString();
85         String nama = editADDNAMA.getText().toString();
86         String kelas = editADDkelas.getText().toString();
87         String alamat = editADDALAMAT.getText().toString();
88
89         List<NameValuePair> param = new ArrayList<NameValuePair>();
90
91         param.add(new BasicNameValuePair(TAG_NISP, nisp));
92         param.add(new BasicNameValuePair(TAG_NAMA, nama));
93         param.add(new BasicNameValuePair(TAG_KELAS, kelas));
94         param.add(new BasicNameValuePair(TAG_ALAMAT, alamat));
95
96         JSONObject json = jsonParser.makeHttpRequest(url_tambah_siswa, "POST", param);
97         try{
98             int success = json.getInt(TAG_SUCCESS);
99             if(success ==1)
100             {
101                 Intent tambah = new Intent(TambahActivity.this, MainActivity.class);
```

d. Part 4

```
TambahActivity.java ✕
88
89     List<NameValuePair> param = new ArrayList<NameValuePair>();
90
91     param.add(new BasicNameValuePair(TAG_NISN, nisn));
92     param.add(new BasicNameValuePair(TAG_NAMA, nama));
93     param.add(new BasicNameValuePair(TAG_KELAS, kelas));
94     param.add(new BasicNameValuePair(TAG_ALAMAT, alamat));
95
96     JSONObject json = jsonParser.makeHttpRequest(url_tambah_siswa, "POST", param);
97     try{
98         int success = json.getInt(TAG_SUCCESS);
99         if(success ==1)
100         {
101             Intent tambah = new Intent(TambahActivity.this, MainActivity.class);
102             startActivity(tambah);
103         }
104         else
105         {
106
107         }
108     }
109     catch(JSONException e)
110     {
111         e.printStackTrace();
112     }
113     return null;
114 }
115 @Override
116 protected void onPostExecute(String file_url) {
117     // TODO Auto-generated method stub
118     pDialog.dismiss();
119 }
120 }
121 }
122 }
```


13. Untuk EDIT dan Hapus data Buat Android Activity lagi dengan nama file seperti gambar berikut.



Blank Activity
Creates a new blank activity with an action bar.

Project: BBelajarCRUD

Activity Name: EditDataActivity

Layout Name: activity_edit_data

Title: EditDataActivity

☐ Launcher Activity

Hierarchical Parent: Optional



 The name of the activity class to create

14. Masukkan Codingan seperti gambar di bawah ini pada activity_edit_data.xml.

a. Part 1

```
activity_edit_data.xml
1 <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
2   xmlns:tools="http://schemas.android.com/tools"
3   android:layout_width="match_parent"
4   android:layout_height="match_parent"
5   android:paddingBottom="@dimen/activity_vertical_margin"
6   android:paddingLeft="@dimen/activity_horizontal_margin"
7   android:paddingRight="@dimen/activity_horizontal_margin"
8   android:paddingTop="@dimen/activity_vertical_margin"
9   tools:context="com.fafa.bbelajarcrud.EditDataActivity" >
10
11   <TextView
12       android:id="@+id/textView1"
13       android:layout_width="wrap_content"
14       android:layout_height="wrap_content"
15       android:layout_alignParentTop="true"
16       android:layout_centerHorizontal="true"
17       android:layout_marginTop="14dp"
18       android:text="Edit Data Siswa"
19       android:textSize="27dp" />
20
21   <EditText
22       android:id="@+id/editEDITNISN"
23       android:layout_width="wrap_content"
24       android:layout_height="wrap_content"
25       android:layout_alignParentLeft="true"
26       android:layout_alignParentRight="true"
27       android:layout_below="@+id/textView1"
28       android:ems="10"
29       android:hint="NISN"/>
30
31   <EditText
32       android:id="@+id/editEDITALAMAT"
33       android:layout_width="wrap_content"
```

b. Part 2

```
activity_edit_data.xml
31 <EditText
32     android:id="@+id/editEDITALAMAT"
33     android:layout_width="wrap_content"
34     android:layout_height="wrap_content"
35     android:layout_alignLeft="@+id/editKELAS"
36     android:layout_centerVertical="true"
37     android:ems="13"
38     android:hint="Alamat"
39     android:lines="3" />
40
41 <EditText
42     android:id="@+id/editEDITNAMA"
43     android:layout_width="wrap_content"
44     android:layout_height="wrap_content"
45     android:layout_alignLeft="@+id/editEDITNISN"
46     android:layout_alignRight="@+id/editEDITALAMAT"
47     android:layout_below="@+id/editEDITNISN"
48     android:ems="10"
49     android:hint="NAMA" />
50
51 <EditText
52     android:id="@+id/editEDITKELAS"
53     android:layout_width="wrap_content"
54     android:layout_height="wrap_content"
55     android:layout_alignLeft="@+id/editEDITNAMA"
56     android:layout_alignRight="@+id/editEDITALAMAT"
57     android:layout_below="@+id/editEDITNAMA"
58     android:ems="10"
59     android:hint="KELAS" />
60
61 <Button
62     android:id="@+id/btnEDITSIMPAN"
63     android:layout_width="wrap_content"
```

c. Part 3

```
activity_edit_data.xml
56         android:layout_alignRight="@id/editEDITHAPUS"
57         android:layout_below="@+id/editEDITNAMA"
58         android:ems="10"
59         android:hint="KELAS" />
60
61     <Button
62         android:id="@+id/btnEDITSIMPAN"
63         android:layout_width="wrap_content"
64         android:layout_height="wrap_content"
65         android:layout_alignLeft="@+id/editEDITALAMAT"
66         android:layout_alignRight="@+id/editEDITALAMAT"
67         android:layout_below="@+id/editEDITALAMAT"
68         android:text="S I M P A N" />
69
70     <Button
71         android:id="@+id/btnEDITHAPUS"
72         android:layout_width="wrap_content"
73         android:layout_height="wrap_content"
74         android:layout_alignLeft="@+id/btnEDITSIMPAN"
75         android:layout_alignRight="@+id/btnEDITSIMPAN"
76         android:layout_below="@+id/btnEDITSIMPAN"
77         android:text="H A P U S" />
78
79     <Button
80         android:id="@+id/btnEDITKEMBALI"
81         android:layout_width="wrap_content"
82         android:layout_height="wrap_content"
83         android:layout_alignLeft="@+id/btnEDITHAPUS"
84         android:layout_alignRight="@+id/btnEDITHAPUS"
85         android:layout_below="@+id/btnEDITHAPUS"
86         android:text="K E M B A L I" />
87
88 </RelativeLayout>
```


15. Masukkan Codingan sperti gambar di bawah ini pada EditDataActivity.class.

a. Part 1

```
EditDataActivity.java ✕
1 package com.fafa.bbelajarcrud;
2
3 import java.util.ArrayList;
4 import java.util.List;
5 import org.apache.http.NameValuePair;
6 import org.apache.http.message.BasicNameValuePair;
7 import org.json.JSONArray;
8 import org.json.JSONException;
9 import org.json.JSONObject;
10 import android.app.Activity;
11 import android.app.ProgressDialog;
12 import android.content.Intent;
13 import android.os.AsyncTask;
14 import android.os.Bundle;
15 import android.util.Log;
16 import android.view.View;
17 import android.widget.Button;
18 import android.widget.EditText;
19
20 public class EditDataActivity extends Activity {
21     Button editsimpan, edithapus, editkembali;
22     EditText editENISN, editENAMA, editEKELAS, editEALAMAT;
23     String id;
24     private ProgressDialog pDialog;
25
26     JSONParser jsonParser = new JSONParser();
27     private static String url_siswa_details = "http://192.168.1.148/BBelajarCRUD/get_siswa_details.php";
28     private static String url_update_siswa = "http://192.168.1.148/BBelajarCRUD/update_siswa.php";
29     private static String url_delete_siswa = "http://192.168.1.148/BBelajarCRUD/delete_siswa.php";
30
31     private static final String TAG_SUCCESS = "success";
32     private static final String TAG_SISWA = "siswa";
33     private static final String TAG_ID = "id";
34     private static final String TAG_NISN = "nisn";
35     private static final String TAG_NAMA = "nama";
```

b. Part 2

```

EditDataActivity.java
35 private static final String TAG_NAMA = "nama";
36 private static final String TAG_KELAS = "kelas";
37 private static final String TAG_ALAMAT = "alamat";
38
39 @Override
40 protected void onCreate(Bundle savedInstanceState) {
41     super.onCreate(savedInstanceState);
42     setContentView(R.layout.activity_edit_data);
43
44     Intent i = getIntent();
45     id = i.getStringExtra(TAG_ID);
46     new GetSiswaDetails().execute();
47     editsimpan = (Button) findViewById(R.id.btnEDITSIMPAN);
48     editsimpan.setOnClickListener(new View.OnClickListener() {
49
50         @Override
51         public void onClick(View v) {
52             // TODO Auto-generated method stub
53             new UpdateSiswa().execute();
54         }
55     });
56     edithapus = (Button) findViewById(R.id.btnEDITHAPUS);
57     edithapus.setOnClickListener(new View.OnClickListener() {
58
59         @Override
60         public void onClick(View v) {
61             // TODO Auto-generated method stub
62             new DeleteSiswa().execute();
63         }
64     });
65     editkembali = (Button) findViewById(R.id.btnEDITKEMBALI);
66     editkembali.setOnClickListener(new View.OnClickListener() {
67
68         @Override
69         public void onClick(View v) {

```

c. Part 3

```
EditDataActivity.java ✕

68 @Override
69 public void onClick(View v) {
70     // TODO Auto-generated method stub
71     Intent i = new Intent(EditDataActivity.this, MainActivity.class);
72     startActivity(i);
73 }
74 });
75 }
76 class GetSiswaDetails extends AsyncTask<String, String, String>
77 {
78     @Override
79     protected void onPreExecute() {
80         // TODO Auto-generated method stub
81         super.onPreExecute();
82         pDialog = new ProgressDialog(EditDataActivity.this);
83         pDialog.setMessage("Mengambil Data...");
84         pDialog.setIndeterminate(false);
85         pDialog.setCancelable(true);
86         pDialog.show();
87     }
88     @Override
89     protected String doInBackground(String... params) {
90         // TODO Auto-generated method stub
91         new Thread(new Runnable() {
92
93             @Override
94             public void run() {
95                 // TODO Auto-generated method stub
96                 int success;
97                 try
98                 {
99                     List<NameValuePair> param = new ArrayList<NameValuePair>();
100                     param.add(new BasicNameValuePair("id", id));
101
102                     JSONObject ison = isonParser.makeHttpRequest(url siswa details. "GET". param);
```

d. Part 4

```
EditDataActivity.java ✕

102         JSONObject json = jsonParser.makeHttpRequest(url_siswa_details, "GET", param);
103         Log.d("Single DAFTARBUKU Details", json.toString());
104
105         success = json.getInt(TAG_SUCCESS);
106         if(success == 1)
107         {
108             JSONArray siswaOBJB = json.getJSONArray(TAG_SISWA);
109
110             JSONObject siswa = siswaOBJB.getJSONObject(0);
111             editENISN = (EditText) findViewById(R.id.editEDITNISN);
112             editENAMA = (EditText) findViewById(R.id.editEDITNAMA);
113             editEKELAS = (EditText) findViewById(R.id.editEDITKELAS);
114             editEALAMAT = (EditText) findViewById(R.id.editEDITALAMAT);
115
116             editENISN.setText(siswa.getString(TAG_NISN));
117             editENAMA.setText(siswa.getString(TAG_NAMA));
118             editEKELAS.setText(siswa.getString(TAG_KELAS));
119             editEALAMAT.setText(siswa.getString(TAG_ALAMAT));
120         }
121         else
122         {
123
124         }
125     }
126     catch(JSONException e)
127     {
128         e.printStackTrace();
129     }
130 }
131 }).start();
132 return null;
133 }
134 @Override
135 protected void onPostExecute(String file_url) {
136     // TODO: Auto-generated method stub
```


e. Part 5

```
EditDataActivity.java
135     protected void onPostExecute(String file_url) {
136         // TODO Auto-generated method stub
137         pDialog.dismiss();
138     }
139 }
140 class UpdateSiswa extends AsyncTask<String, String, String>
141 {
142     @Override
143     protected void onPreExecute() {
144         // TODO Auto-generated method stub
145         super.onPreExecute();
146         super.onPreExecute();
147         pDialog = new ProgressDialog(EditDataActivity.this);
148         pDialog.setMessage("Mengambil Data...");
149         pDialog.setIndeterminate(false);
150         pDialog.setCancelable(true);
151         pDialog.show();
152     }
153     @Override
154     protected String doInBackground(String... params) {
155         // TODO Auto-generated method stub
156         String nispn = editENISN.getText().toString();
157         String nama = editENAMA.getText().toString();
158         String kelas = editEKELAS.getText().toString();
159         String alamat = editEALAMAT.getText().toString();
160
161         List<NameValuePair> param = new ArrayList<NameValuePair>();
162
163         param.add(new BasicNameValuePair(TAG_ID, id));
164         param.add(new BasicNameValuePair(TAG_NISPn, nispn));
165         param.add(new BasicNameValuePair(TAG_NAMA, nama));
166         param.add(new BasicNameValuePair(TAG_KELAS, kelas));
167         param.add(new BasicNameValuePair(TAG_ALAMAT, alamat));
168         JSONObject json = jsonParser.makeHttpRequest(url_update_siswa, "POST", param);
169         trv
```

f. Part 6

```
EditDataActivity.java
168     JSONObject json = jsonParser.makeHttpRequest(url_update_siswa, "POST", param);
169     try
170     {
171         int success = json.getInt(TAG_SUCCESS);
172         if(success ==1)
173         {
174             Intent i = new Intent(EditDataActivity.this, MainActivity.class);
175             startActivity(i);
176         }
177         else
178         {
179
180         }
181     }
182     catch(JSONException e)
183     {
184         e.printStackTrace();
185     }
186     return null;
187 }
188 @Override
189 protected void onPostExecute(String file_url) {
190     // TODO Auto-generated method stub
191     progressDialog.dismiss();
192 }
193 }
194 class DeleteSiswa extends AsyncTask<String, String, String>
195 {
196     @Override
197     protected void onPreExecute() {
198         // TODO Auto-generated method stub
199         super.onPreExecute();
200         progressDialog = new ProgressDialog(EditDataActivity.this);
201         progressDialog.setMessage("Mengambil Data...");
202         progressDialog.setIndeterminate(false);
```

g. Part 7

```
EditDataActivity.java
201     progressDialog.setMessage("Mengambil Data...");
202     progressDialog.setIndeterminate(false);
203     progressDialog.setCancelable(true);
204     progressDialog.show();
205 }
206 @Override
207 protected String doInBackground(String... params) {
208     // TODO Auto-generated method stub
209     int success;
210     try
211     {
212         List<NameValuePair> param = new ArrayList<NameValuePair>();
213         param.add(new BasicNameValuePair("id", id));
214
215         JSONObject json = jsonParser.makeHttpRequest(url_delete_siswa, "POST", param);
216
217         Log.d("Hapus Data", json.toString());
218
219         success = json.getInt(TAG_SUCCESS);
220         if(success == 1)
221         {
222             Intent i = new Intent(EditDataActivity.this, MainActivity.class);
223             startActivity(i);
224         }
225         else
226         {
227
228         }
229     }
230     catch(JSONException e)
231     {
232         e.printStackTrace();
233     }
234     return null;
235 }
```

h. Part 8

```
EditDataActivity.java
209         int success;
210         try
211         {
212             List<NameValuePair> param = new ArrayList<NameValuePair>();
213             param.add(new BasicNameValuePair("id", id));
214
215             JSONObject json = jsonParser.makeHttpRequest(url_delete_siswa, "POST", param);
216
217             Log.d("Hapus Data", json.toString());
218
219             success = json.getInt(TAG_SUCCESS);
220             if(success == 1)
221             {
222                 Intent i = new Intent(EditDataActivity.this, MainActivity.class);
223                 startActivity(i);
224             }
225             else
226             {
227
228             }
229         }
230         catch(JSONException e)
231         {
232             e.printStackTrace();
233         }
234         return null;
235     }
236     @Override
237     protected void onPostExecute(String file_url) {
238         // TODO Auto-generated method stub
239         pDialog.dismiss();
240     }
241 }
242 }
243 }
```

16. Running Program

17. Tutorial berikut saya buat tanpa penjelasan yang mendetail, jika ingin menanyakan secara detail bisa langsung menghubungi atau mengirim pesan pada babbyvalk@gmail.com. Terima kasih.