```
package com.example.json_demo;

import android.content.res.AssetManager;
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.util.Log;
import android.view.View;
import android.widget.Button;

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

import java.io.IOException;
import java.io.InputStream;

public class MainActivity extends AppCompatActivity {
   public static  final String TAG=MainActivity.class.getCanonicalName();
   Button btn;
   AssetManager manager;
   @Override
   protected void onCreate(Bundle savedInstanceState) {
      super.onCreate( savedInstanceState );
      setContentView( R.layout.activity_main );
```

```
btn=findViewById( R.id.b1 );
manager=getAssets();
btn.setOnClickListener( new View.OnClickListener() {
   @Override
   public void onClick(View v) {
      try {
         JSONObject root=new JSONObject( json() );
         Log.i( TAG, "Department Name= "+root.getString( "name" ) );
         JSONArray arr=root.getJSONArray( "Subjects" );
         for (int i=0; i<arr.length();i++)
         {
            Log.i( TAG, arr.getString( i ) );
         }

         JSONObject inner=root.getJSONObject( "Computers" );
         Boolean server=inner.getBoolean( "Server" );
         Log.i( TAG, "Server ="+server );
         Integer desktop=inner.getInt( "desktop" );
         Log.i( TAG, "desktop machines= "+desktop );
      } catch (JSONException e) {
         e.printStackTrace();
      }

   }
```

```
        } );
    }

    private  String json()
    {
        StringBuilder sb=new StringBuilder(  );
        try {
            InputStream is=manager.open( "myjson.json" );
          while(true)
          {
              int ch=is.read();
              if (ch== -1) break;
              else sb.append( (char) ch );
          }
        } catch (IOException e) {
            e.printStackTrace();
        }
        return sb.toString();
    }
}
```