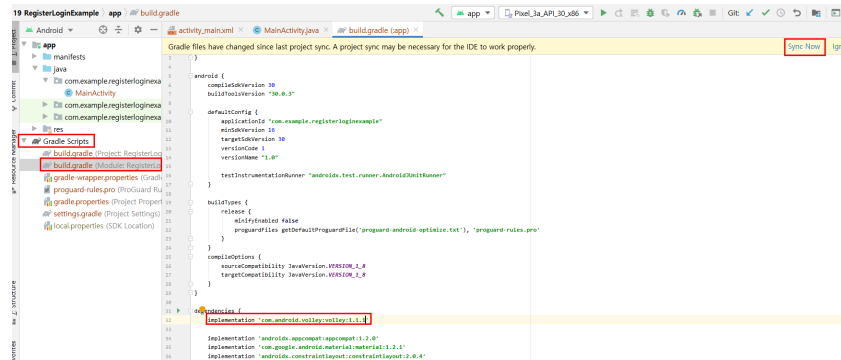


19 로그인&회원가입 만들기

결과

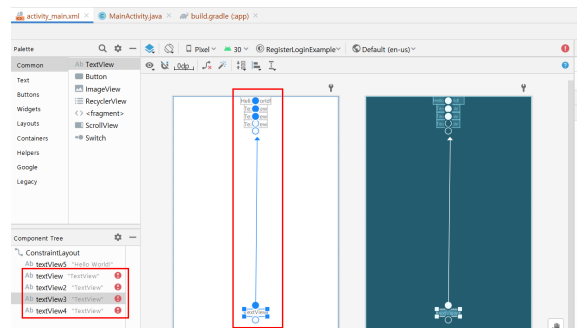
- 회원가입이 잘 안됨... 추후에 보강

1. Gradle Scripts 수정, Sync

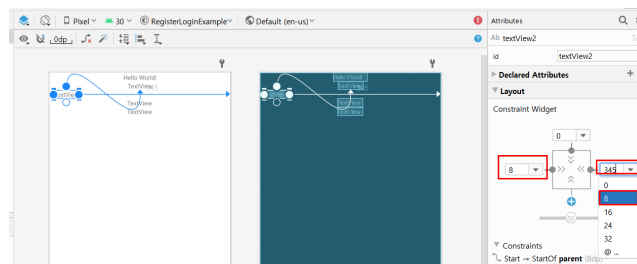


2. activity_main.xml 구성

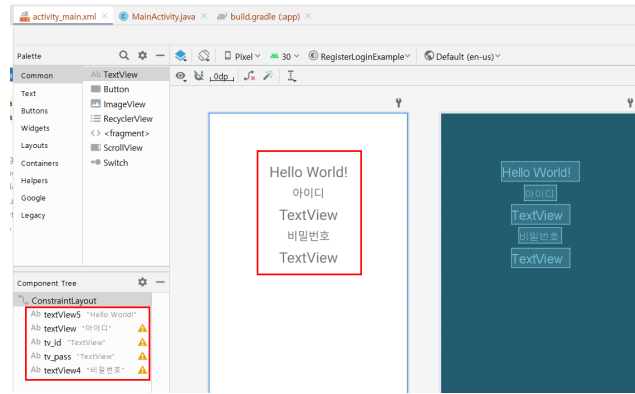
- textView를 4개 더 생성



- constraint를 오류나지 않도록 지정한다.

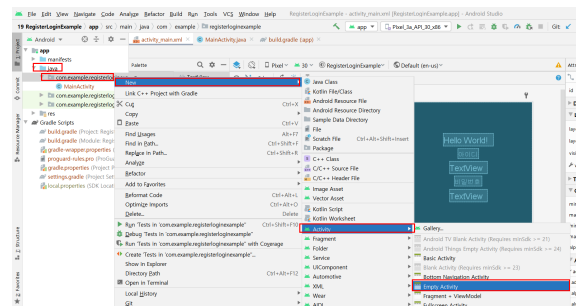


- 구성요소들을 알맞게 만들어 준다.

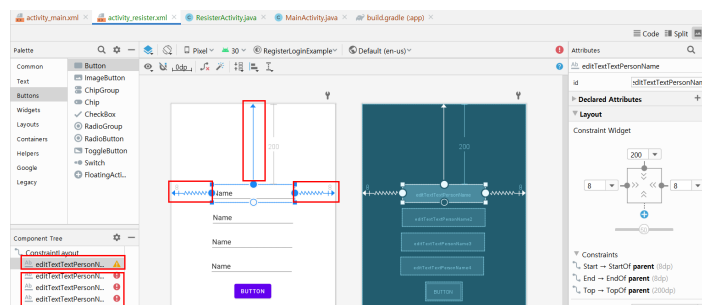


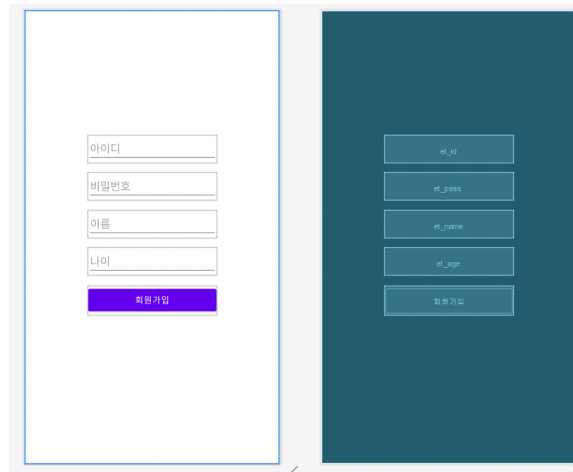
3. RegisterActivity.java 생성과 activity_register.xml 구성

- RegisterActivity.java 생성



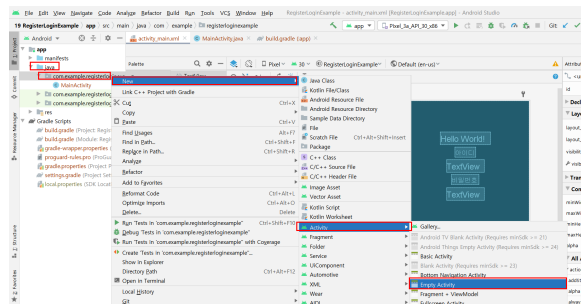
- activity_register.xml 구성 (*3개이상의 constraint가 있어야 오류가 안남)



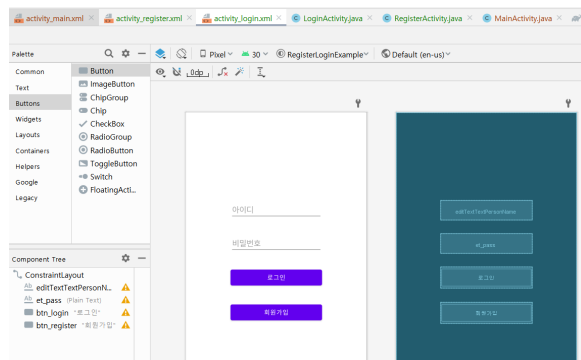


4. LoginActivity.java 생성과 activity_login.xml 구성

- LoginActivity.java 생성

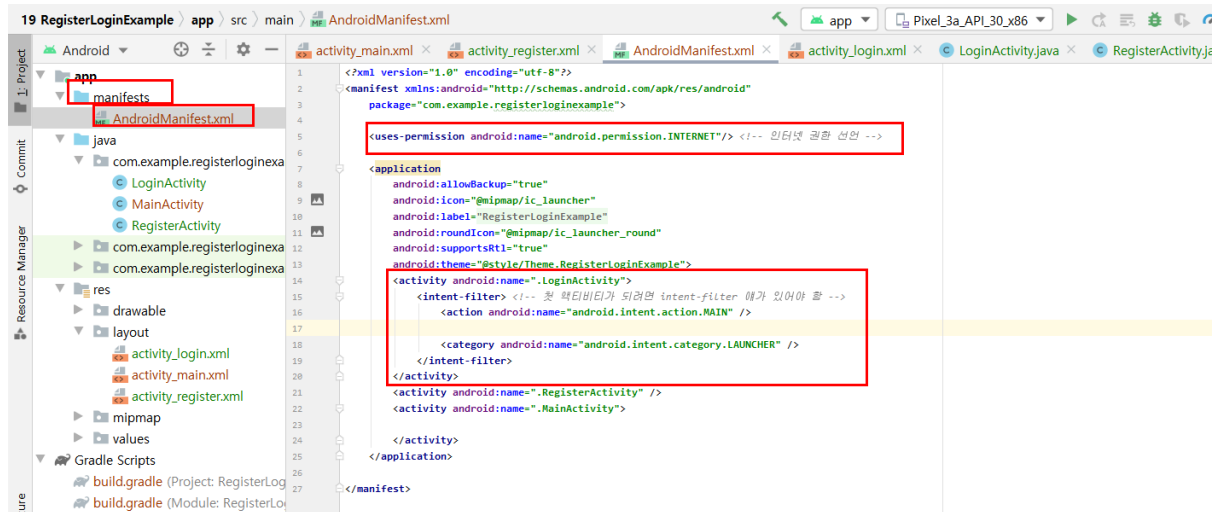


- activity_login.xml 구성



5. manifestf 수정

- INTERNET permission 설정 + <intent-filter> 위치 변경해서 첫 액티비티 화면 바꾸기



6. 닷홈에서 무료 호스팅 신청



7. 파일질라 다운로드 및 설정

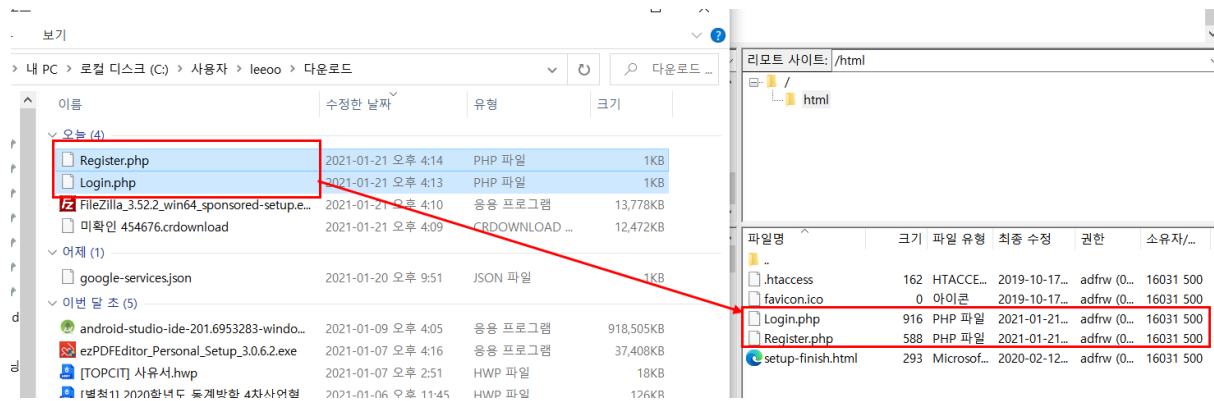
- 파일질라 다운로드



- 파일질라 실행해서 연결



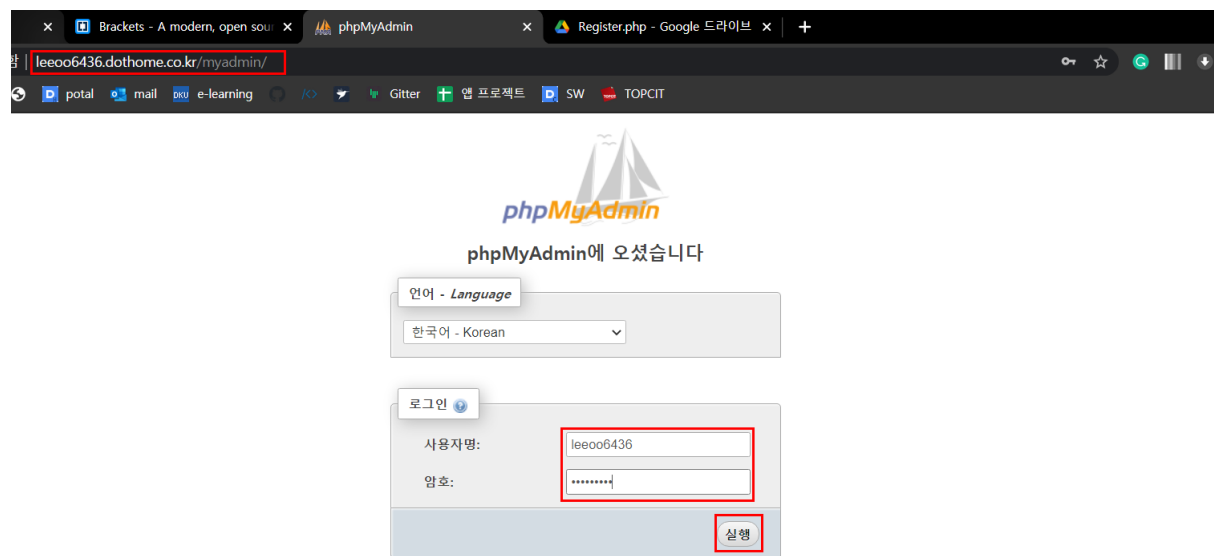
- 필요한 php 파일 수정 후 붙여넣기



8. phpMyAdmin 접속 후 DB 작성

- phpMyAdmin 접속

<http://leeoo6436.dothome.co.kr/myadmin/>

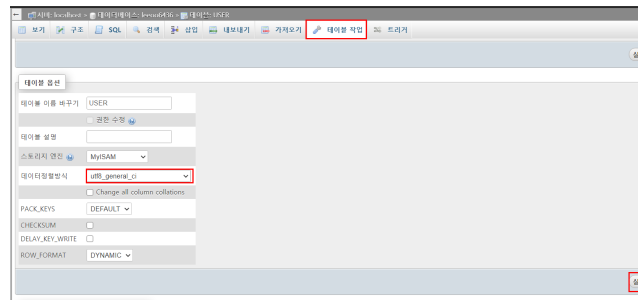


- SQL 작성

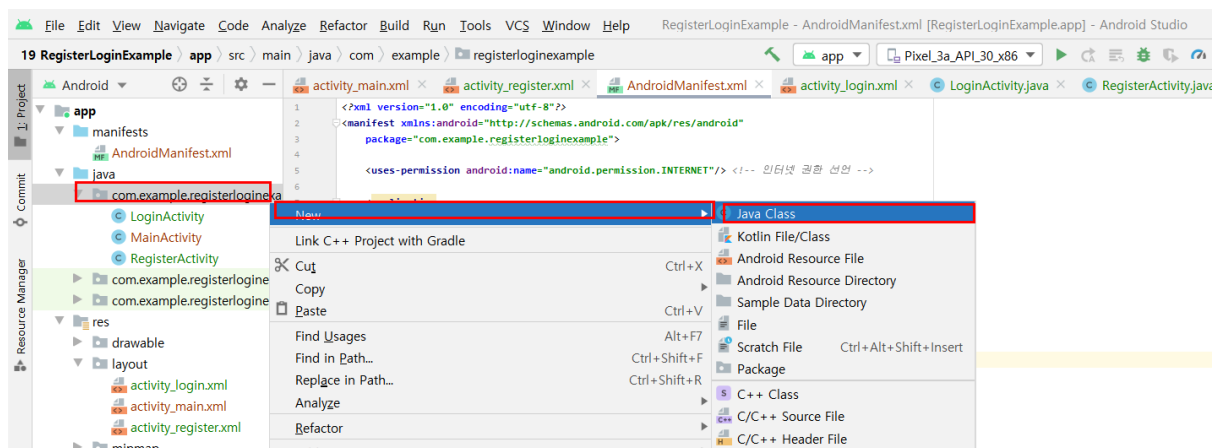


```
CREATE TABLE `USER` (
  userID VARCHAR(20) NOT NULL,
  userPassword VARCHAR(20) NOT NULL,
  userName VARCHAR(20) NOT NULL,
  userAge INT NOT NULL,
  PRIMARY KEY(userID)
)
```

- 테이블 작업



9. RegisterRequest.java 생성



```
package com.example.registerloginexample;

import com.android.volley.AuthFailureError;
import com.android.volley.Response;
import com.android.volley.toolbox.StringRequest;

import java.util.HashMap;
import java.util.Map;

public class RegisterRequest extends StringRequest {

    // 서버 URL 설정 ( PHP 파일 연동 )
    final static private String URL = "leeeo6436.dothome.co.kr/Register.php";
    private Map<String, String> map;

    public RegisterRequest(String userID, String userPassword, String userName, int userAge, Response.Listener<String> listener) {
        super(Method.POST, URL, listener, null);

        map = new HashMap<>();
        map.put("userID", userID);
        map.put("userPassword", userPassword);
        map.put("userName", userName);
        map.put("userAge", userAge + "");
    }

    @Override
    protected Map<String, String> getParams() throws AuthFailureError {
        return map;
    }
}
```

```

    }
}

```

10. LoginRequest.java 생성 (RegisterRequest.java 복붙)

```

package com.example.registerloginexample;

import com.android.volley.AuthFailureError;
import com.android.volley.Response;
import com.android.volley.toolbox.StringRequest;

import java.util.HashMap;
import java.util.Map;

public class LoginRequest extends StringRequest {

    // 서버 URL 설정 ( PHP 파일 연동 )
    final static private String URL = "leeeoo6436.dothome.co.kr/Login.php";
    private Map<String, String> map;

    public LoginRequest(String userID, String userPassword, Response.Listener<String> listener) {
        super(Method.POST, URL, listener, null);

        map = new HashMap<>();
        map.put("userID", userID);
        map.put("userPassword", userPassword);
    }

    @Override
    protected Map<String, String> getParams() throws AuthFailureError {
        return map;
    }
}

```

11. RegisterActivity.java 코드

```

package com.example.registerloginexample;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import com.android.volley.RequestQueue;
import com.android.volley.Response;
import com.android.volley.toolbox.Volley;

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

public class RegisterActivity extends AppCompatActivity {

    private EditText et_id, et_pass, et_name, et_age;
    private Button btn_register;

    @Override
    protected void onCreate(Bundle savedInstanceState) { // activity 시작 시 처음으로 실행되는 생명 주기이다.
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_register);

        // id값 연결
        et_id = findViewById(R.id.et_id);
        et_pass = findViewById(R.id.et_pass);
        et_name = findViewById(R.id.et_name);
        et_age = findViewById(R.id.et_age);

        // 회원가입 버튼 클릭 시 수행
        btn_register = findViewById(R.id.btn_register);
    }
}

```



```

        btn_register.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                // EditText에 현재 입력되어 있는 값을 가져온다.
                String userID = et_id.getText().toString();
                String userPass = et_pass.getText().toString();
                String userName = et_name.getText().toString();
                int userAge = Integer.parseInt(et_age.getText().toString());

                Response.Listener<String> responseListener = new Response.Listener<String>() {
                    @Override
                    public void onResponse(String response) {
                        try {
                            JSONObject jsonObject = new JSONObject(response);
                            boolean success = jsonObject.getBoolean("success");
                            if (success) { // 회원등록에 성공한 경우
                                Toast.makeText(getApplicationContext(), "회원등록에 성공했습니다.", Toast.LENGTH_SHORT).show();
                                Intent intent = new Intent(RegisterActivity.this, LoginActivity.class);
                                startActivity(intent);
                            } else { // 회원등록에 실패한 경우
                                Toast.makeText(getApplicationContext(), "회원등록에 실패했습니다.", Toast.LENGTH_SHORT).show();
                                return;
                            }
                        } catch (JSONException e) {
                            e.printStackTrace();
                        }
                    }
                };

                // 서버로 Volley를 이용해서 요청을 함.
                RegisterRequest registerRequest = new RegisterRequest(userID, userPass, userName, userAge, responseListener);
                RequestQueue queue = Volley.newRequestQueue(RegisterActivity.this);
                queue.add(registerRequest);
            }
        });
    }
}

```

12. LoginActivity. java 코드

```

package com.example.registerloginexample;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import com.android.volley.RequestQueue;
import com.android.volley.Response;
import com.android.volley.toolbox.Volley;

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

public class LoginActivity extends AppCompatActivity {

    private EditText et_id, et_pass;
    private Button btn_login, btn_register;

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

        et_id = findViewById(R.id.et_id);
        et_pass = findViewById(R.id.et_pass);
        btn_login = findViewById(R.id.btn_login);
        btn_register = findViewById(R.id.btn_register);

        // 회원가입 버튼을 클릭 시 수행

```

```

        btn_register.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent intent = new Intent(LoginActivity.this, RegisterActivity.class);
                startActivity(intent);
            }
        });

        btn_login.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String userID = et_id.getText().toString();
                String userPass = et_pass.getText().toString();

                Response.Listener<String> responseListener = new Response.Listener<String>() {
                    @Override
                    public void onResponse(String response) {
                        try {
                            JSONObject jsonObject = new JSONObject(response);
                            boolean success = jsonObject.getBoolean("success");
                            if (success) { // 로그인에 성공한 경우
                                String userID = jsonObject.getString("userID");
                                String userPass = jsonObject.getString("userPassword");

                                Toast.makeText(getApplicationContext(), "로그인에 성공했습니다.", Toast.LENGTH_SHORT).show();
                                Intent intent = new Intent(LoginActivity.this, MainActivity.class);

                                intent.putExtra("userID", userID);
                                intent.putExtra("UserPassword", userPass);
                                startActivity(intent);
                            } else { // 로그인에 실패한 경우
                                Toast.makeText(getApplicationContext(), "로그인에 실패했습니다.", Toast.LENGTH_SHORT).show();
                                return;
                            }
                        } catch (JSONException e) {
                            e.printStackTrace();
                        }
                    }
                };

                LoginRequest loginRequest = new LoginRequest(userID, userPass, responseListener);
                RequestQueue queue = Volley.newRequestQueue(LoginActivity.this);
                queue.add(loginRequest);
            }
        });
    }
}

```

13. MainActivity .java 코드

```

package com.example.registerloginexample;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

    private TextView tv_id, tv_pass;

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

        tv_id = findViewById(R.id.tv_id);
        tv_pass = findViewById(R.id.tv_pass);

        Intent intent = getIntent();
        String userID = intent.getStringExtra("userID");
        String userPass = intent.getStringExtra("userPass");
    }
}

```

```
        tv_id.setText(userID);  
        tv_pass.setText(userPass);  
    }  
}
```