

모바일 프로그래밍 실습 보고서

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순서	22	날짜	2018.06.12 화요일
강의자료	12 - 구글 맵		
주제	구글 맵 연동하기		

Layout : AndroidManifest.xml

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="moblieprogramming.a20180612">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/AppTheme">
        <activity android:name=".MainActivity">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>

        <meta-data
            android:name="com.google.android.gms.version"
            android:value="@integer/google_play_services_version"/>
        <meta-data
            android:name="com.google.android.geo.API_KEY"
            android:value="AIzaSyAnE9WpC13VQ176Hv7nm94d2WrZhhq1xiU"/>
    </application>

    <uses-permission
        android:name="android.permission.WRITE_EXTERNAL_STORAGE" />
</manifest>
```

소스코드

java 소스코드 : MainActivity.class

```
public class MainActivity extends AppCompatActivity implements
    OnMapReadyCallback{
    GoogleMap map;

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

        init();
    }

    public void init() {
        MapFragment mapFr = (MapFragment)getFragmentManager()
            .findFragmentById(R.id.map);
        mapFr.getMapAsync(this);
    }

    @Override
    public void onMapReady(GoogleMap googleMap) {
        map = googleMap;
        UiSettings uiSettings = map.getUiSettings();
        uiSettings.setZoomControlsEnabled(true);

        double latitude = 37.554752;
        double longitude =126.970631;
        final LatLng Loc = new LatLng(latitude, longitude);
        map.animateCamera(CameraUpdateFactory.newLatLngZoom(Loc, 16));

        MarkerOptions options = new MarkerOptions();
        options.position(Loc);
        options.icon(BitmapDescriptorFactory
            .defaultMarker(BitmapDescriptorFactory.HUE_GREEN));
        // BitmapDescriptorFactory.fromResource(R.drawable.station))
        options.title("역"); //info window의 타이틀
        options.snippet("서울역"); //info window의 설명
        map.addMarker(options);
    }
}
```

Layout : activity_main.xml

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <fragment
        android:id="@+id/map"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:name
            ="com.google.android.gms.maps.MapFragment" />

</LinearLayout>
```

실행 결과

