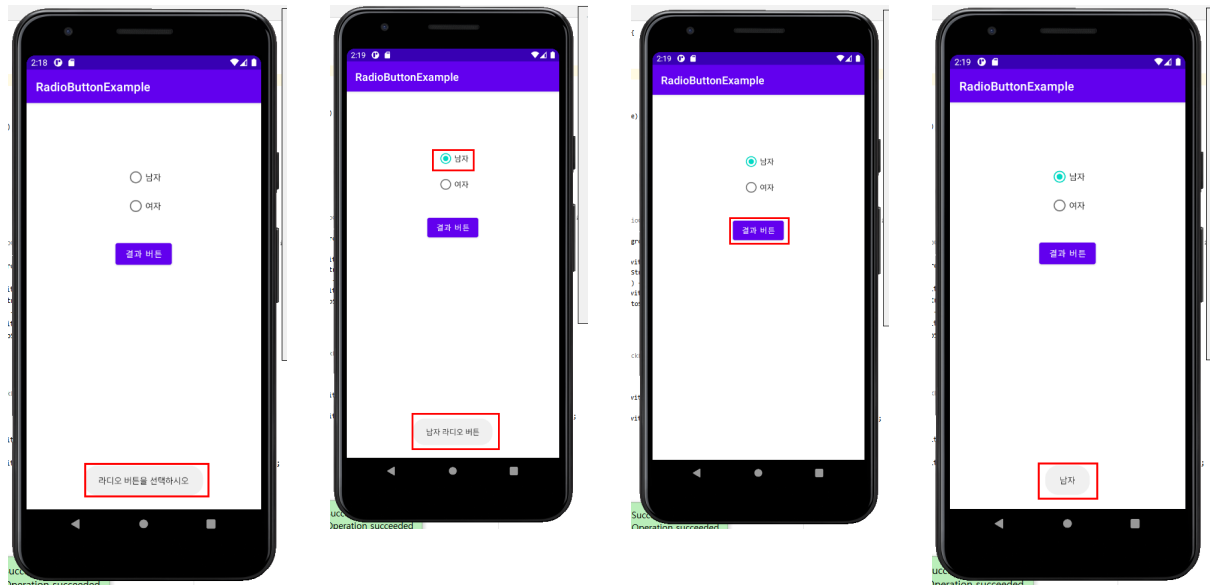


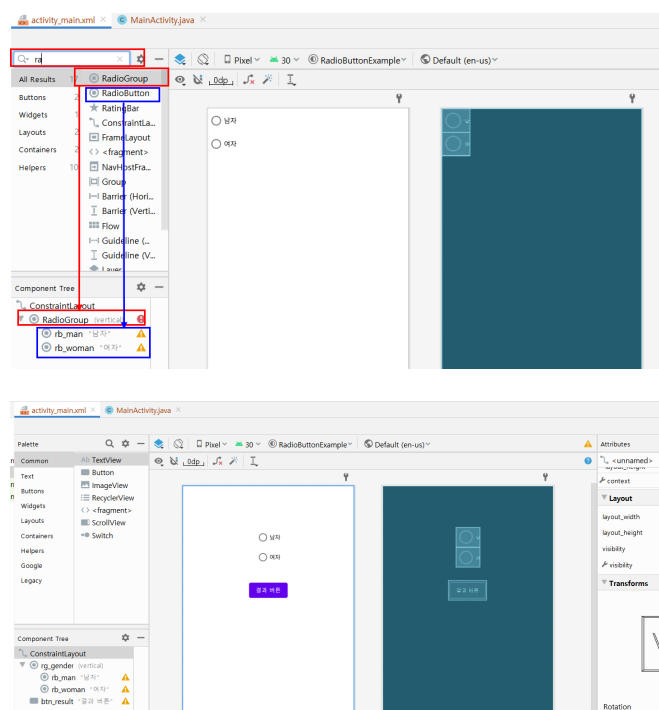
## 23 Radio Button (단일 선택)

### 결과



RadioButton에 아무 선택이 없이 Button을 누르면 "라디오버튼을 입력하십시오"라는 Toast 메시지가 뜨고 rb\_man을 선택하면 "남자 라디오 버튼"이라는 Toast 메시지가 뜨고 rb\_man이 선택된 채 Button을 누르면 "남자"라는 Toast 메시지가 뜬다.

### 1. activity\_main.xml



```

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout 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">

    <RadioGroup
        android:id="@+id/rg_gender"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="100dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent">

        <RadioButton
            android:id="@+id/rb_man"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="남자" />

        <RadioButton
            android:id="@+id/rb_woman"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="여자" />

    </RadioGroup>

    <Button
        android:id="@+id/btn_result"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="32dp"
        android:text="결과 버튼"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/rg_gender" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

## 2. MainActivity. java

```

package com.example.radiobuttonexample;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

    private RadioGroup rg_gender;
    private RadioButton rb_man, rb_woman;
    private Button btn_result;
    private String str_result;

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

        rg_gender = findViewById(R.id.rg_gender);
        rb_man = findViewById(R.id.rb_man);
        rb_woman = findViewById(R.id.rb_woman);
        btn_result = findViewById(R.id.btn_result);

        rg_gender.setOnCheckedChangeListener(new RadioGroup.OnCheckedChangeListener() { // RadioButton 들의 상태값의 변경됨을 감지

```

```

        @Override
        public void onCheckedChanged(RadioGroup group, int checkedId) {
            if(checkedId == R.id.rb_man) {
                Toast.makeText(MainActivity.this, "남자 라디오 버튼", Toast.LENGTH_SHORT).show();
                str_result = rb_man.getText().toString();
            } else if(checkedId == R.id.rb_woman) {
                Toast.makeText(MainActivity.this, "여자 라디오 버튼", Toast.LENGTH_SHORT).show();
                str_result = rb_woman.getText().toString();
            }
        }
    });

    btn_result.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            if(str_result != null) {
                Toast.makeText(MainActivity.this, str_result, Toast.LENGTH_SHORT).show();
            } else {
                Toast.makeText(MainActivity.this, "라디오 버튼을 선택하십시오", Toast.LENGTH_SHORT).show();
            }
        }
    });
}
}

```