

```

<?xml version="1.0" encoding="utf-8"?>
<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"
    android:orientation="vertical"
    tools:context=".MainActivity">

    <ImageView
        android:id="@+id/imageView1"
        android:layout_width="150dp"
        android:layout_height="wrap_content"
        app:srcCompat="@drawable/boy" />

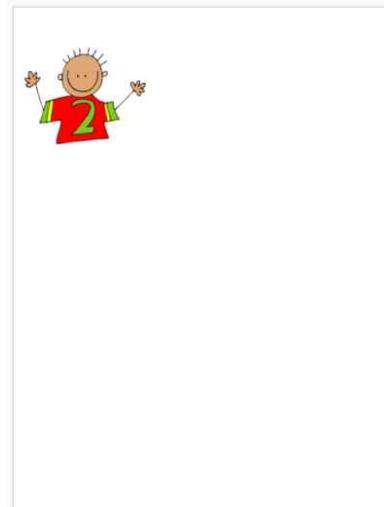
    <ImageView
        android:id="@+id/imageView2"
        android:layout_width="150dp"
        android:layout_height="wrap_content"
        android:visibility="invisible"
        app:srcCompat="@drawable/coffe" />

    <ImageView
        android:id="@+id/imageView3"
        android:layout_width="150dp"
        android:layout_height="wrap_content"
        android:visibility="gone"
        app:srcCompat="@drawable/dog" />

    <ImageView
        android:id="@+id/imageView4"
        android:layout_width="150dp"
        android:layout_height="wrap_content" />
</LinearLayout>

```

해당 뷰를 안보이게 하는 방법  
 android:visibility="invisible"  
 android:visibility="gone"  
 app:srcCompat="@drawable/dog" 속성지우기



```

package com.ict.ex05_imageview;

import androidx.appcompat.app.AppCompatActivity;

import android.graphics.BitmapFactory;
import android.os.Bundle;
import android.view.View;
import android.widget.ImageView;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
    ImageView imageView1, imageView2, imageView3, imageView4;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

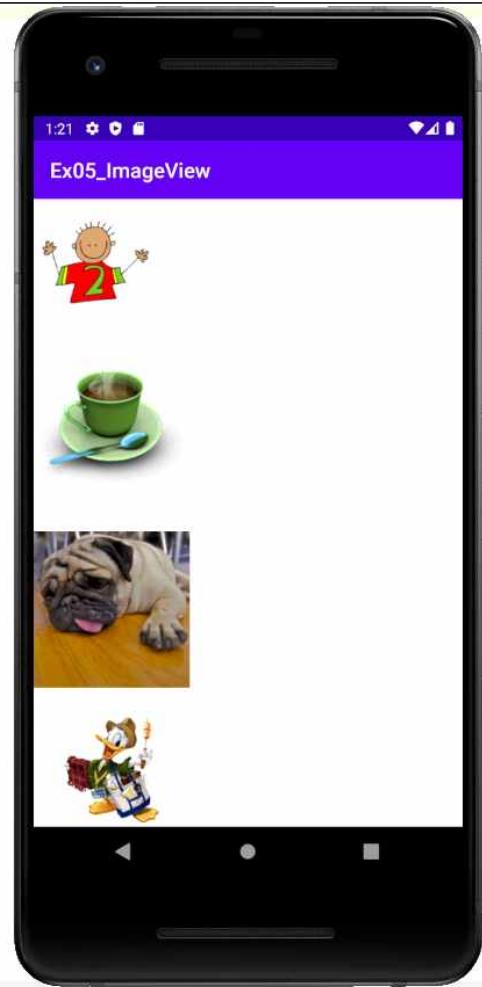
        imageView1 = findViewById(R.id.imageView1);
        imageView2 = findViewById(R.id.imageView2);
        imageView3 = findViewById(R.id.imageView3);
        imageView4 = findViewById(R.id.imageView4);

        imageView1.getLayoutParams().width = 300;
        imageView1.getLayoutParams().height = 300;
        imageView1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Toast.makeText(MainActivity.this, "클릭하셨네요.", Toast.LENGTH_SHORT).show();
            }
        });

        /*숨긴 이미지 보이기*/
        imageView2.setVisibility(View.VISIBLE);
        imageView3.setVisibility(View.VISIBLE);

        /* imageView4는 자리만 존재하고 해당 이미지를 지정하지 않음
        * 0/미지 지정하는 방법 2가지
        */
        //imageView4.setImageBitmap(BitmapFactory.decodeResource(getResources(), R.drawable.donald));
        imageView4.setImageResource(R.drawable.donald);
    }
}

```



```

<?xml version="1.0" encoding="utf-8"?>
<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"
    android:orientation="vertical"
    tools:context=".Main2Activity">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">

        <Button
            android:id="@+id/button1"
            android:layout_weight="1"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="boy" />

        <Button
            android:id="@+id/button2"
            android:layout_weight="1"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="coffe" />

        <Button
            android:id="@+id/button3"
            android:layout_weight="1"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="dog" />

        <Button
            android:id="@+id/button4"
            android:layout_weight="1"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="donald" />
    </LinearLayout>

    <FrameLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="150dp">

        <ImageView
            android:id="@+id/imageView5"
            android:layout_width="200dp"
            android:layout_height="200dp"
            android:layout_gravity="center"
            android:visibility="invisible"
            app:srcCompat="@drawable/boy" />

        <ImageView
            android:id="@+id/imageView6"
            android:layout_width="200dp"
            android:layout_height="200dp"
            android:layout_gravity="center"
            android:visibility="invisible"
            app:srcCompat="@drawable/coffe" />

        <ImageView
            android:id="@+id/imageView7"
            android:layout_width="200dp"
            android:layout_height="200dp"
            android:layout_gravity="center"
            android:visibility="invisible"
            app:srcCompat="@drawable/dog" />

        <ImageView
            android:id="@+id/imageView8"
            android:layout_width="200dp"
            android:layout_height="200dp"
            android:layout_gravity="center"
            android:visibility="invisible"
            app:srcCompat="@drawable/donald" />
    </FrameLayout>
</LinearLayout>

```

각 버튼을 누르면 해당 그림이 나오게 하는 이벤트 처리



```

package com.ict.ex05_imageview;

import androidx.appcompat.app.AppCompatActivity;

import android.media.Image;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ImageView;

public class Main2Activity extends AppCompatActivity {
Button button1, button2, button3, button4;
ImageView imageView5, imageView6, imageView7, imageView8;
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main2);

button1 = findViewById(R.id.button1);
button2 = findViewById(R.id.button2);
button3 = findViewById(R.id.button3);
button4 = findViewById(R.id.button4);

imageView5 = findViewById(R.id.imageView5);
imageView6 = findViewById(R.id.imageView6);
imageView7 = findViewById(R.id.imageView7);
imageView8 = findViewById(R.id.imageView8);

button1.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
imageView5.setVisibility(View.VISIBLE);
imageView6.setVisibility(View.INVISIBLE);
imageView7.setVisibility(View.INVISIBLE);
imageView8.setVisibility(View.INVISIBLE);
}
});

button2.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
imageView5.setVisibility(View.INVISIBLE);
imageView6.setVisibility(View.VISIBLE);
imageView7.setVisibility(View.INVISIBLE);
imageView8.setVisibility(View.INVISIBLE);
}
});

button3.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
imageView5.setVisibility(View.INVISIBLE);
imageView6.setVisibility(View.INVISIBLE);
imageView7.setVisibility(View.VISIBLE);
imageView8.setVisibility(View.INVISIBLE);
}
});

button4.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
imageView5.setVisibility(View.INVISIBLE);
imageView6.setVisibility(View.INVISIBLE);
imageView7.setVisibility(View.INVISIBLE);
imageView8.setVisibility(View.VISIBLE);
}
});
}

```



```
package com.ict.ex05_imageview;
import androidx.appcompat.app.AppCompatActivity;
import android.graphics.BitmapFactory;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ImageView;

public class MainActivity2 extends AppCompatActivity {
    Button button1, button2, button3, button4 ;
    ImageView imageView;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        button1 = findViewById(R.id.button1);
        button2 = findViewById(R.id.button2);
        button3 = findViewById(R.id.button3);
        button4 = findViewById(R.id.button4);
        imageView = findViewById(R.id.imageView);

        button1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                imageView.setImageResource(R.drawable.boy);
            }
        });
        button2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                imageView.setImageResource(R.drawable.coffee);
            }
        });
        button3.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                imageView.setImageBitmap(BitmapFactory.decodeResource(getResources(),R.drawable.dog));
            }
        });
        button4.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                imageView.setImageBitmap(BitmapFactory.decodeResource(getResources(),R.drawable.donald));
            }
        });
    }
}
```



```
package com.ict.ex05_imageview;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ImageView;

public class MainActivity3 extends AppCompatActivity {
Button btn;
ImageView img;
int[] images = {R.drawable.boy, R.drawable.coffe,
R.drawable.dog, R.drawable.donald} ;
int i = 0 ; // 인덱스값
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main3);
btn = findViewById(R.id.btn);
img = findViewById(R.id.img);
btn.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View view) {
img.setImageResource(images[i++]);
}
});
}
}
```

