

```

<?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>

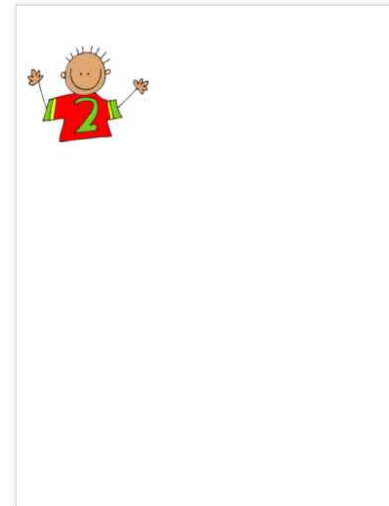
```

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);

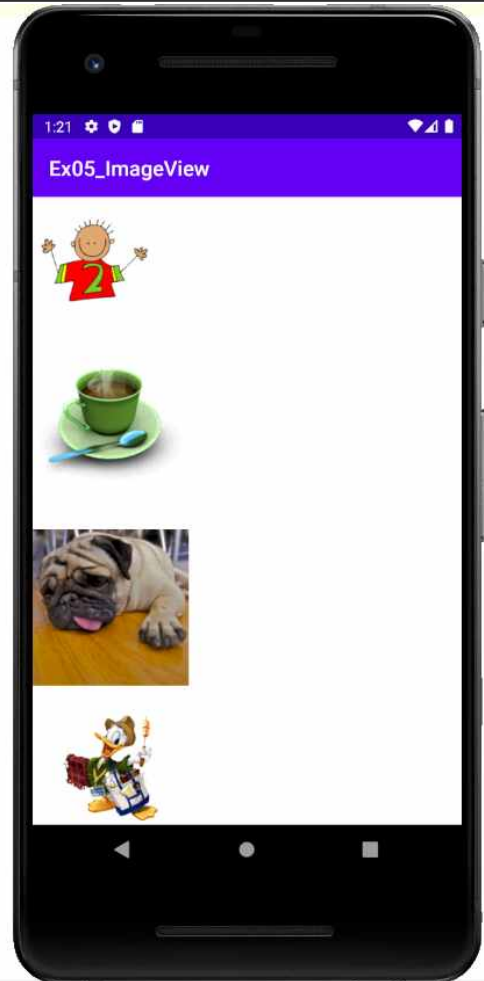
        imageView1 = findViewById(R.id.imageView1);
        imageView2 = findViewById(R.id.imageView2);
        imageView3 = findViewById(R.id.imageView3);
        imageView4 = findViewById(R.id.imageView4);

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

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

        /* imageView4는 자리만 존재하고 해당 이미지를 지정하지 않음
        * 이미지 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);

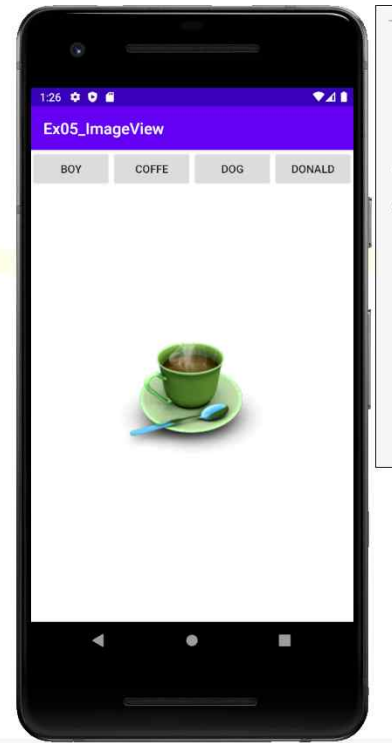
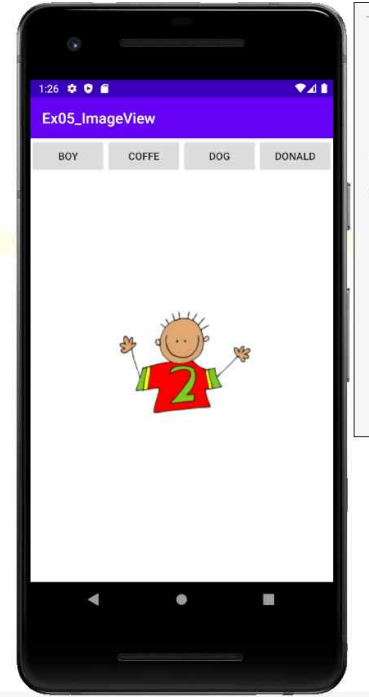
        button1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                imageView5.setVisibility(View.VISIBLE);
                imageView6.setVisibility(View.INVISIBLE);
                imageView7.setVisibility(View.INVISIBLE);
        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

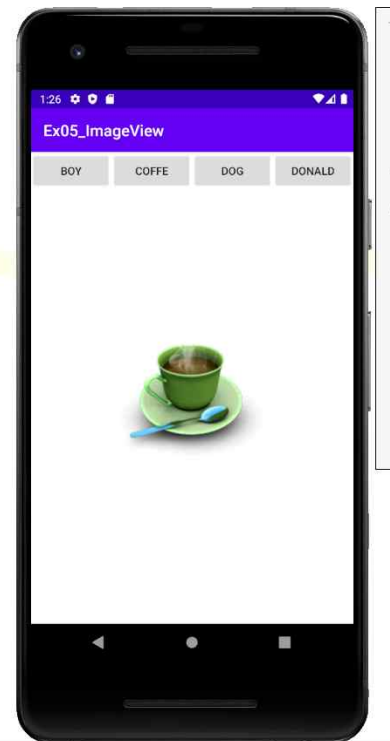
import androidx.appcompat.app.AppCompatActivity;

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.coffe);
            }
        });
        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++%4]);
            }
        });
    }
}

```

