스마트폰 프로그래밍 Assign #03

(제목: Linear Layout Activity 작성)

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성명 : 정 동 기

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본인은 타인이나 다른 매체를 도용하지 않았음을 확인합니다 <정동기>

1. 여러 개의 LinearLayout을 사용해 Button 위젯을 다음과 같이 배열하는 Activitiy를 XML만을 이용하여 작성하시오.

<실행화면>



<MainActivity.java>

```
Android ▼ ③ 至 🛨 🌣 — 🚜 activity_main.xml × 👶 strings.xml × ... © MainActivity.java ×

∨ III app

                                   package kr.ac.skuniv.ce;
   > manifests
   ∨ 📄 java
                                   import androidx.appcompat.app.AppCompatActivity;
     ✓ 🖿 kr.ac.skuniv.ce

    MainActivity

                                   import android.os.Bundle;
    > Im kr.ac.skuniv.ce (androidTest)
    > Imalia kr.ac.skuniv.ce (test)
                            7 🚜 | public class MainActivity extends AppCompatActivity {
   > kjava (generated)
                            8
   ∨ 📭 res
                            9
    > 🖿 drawable
     > 🛅 layout
                           10 0
                                       protected void onCreate(Bundle savedInstanceState) {
     > Dil mipmap
                                          super.onCreate(savedInstanceState);
    ∨ 🛅 values
                                          setContentView(R.layout.activity_main);
         🚜 colors.xml
         atrings.xml
       > themes (2)
    > 🛅 xml
 > @ Gradle Scripts
package kr.ac.skuniv.ce;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
public class MainActivity extends AppCompatActivity {
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
```

<string.xml>



```
<resources>
<string name="app_name">Button_layout</string>
</resources>
```

<activity_main.xml>

```
Android ▼ 😌 \Xi 😤 💠 — 🚜 activity_main.xml × 👼 strings.xml × 🌀 MainActivity.java
🗸 📑 арр
  > manifests
                                                                     <?xml version="1.0" encoding="utf-8"?>
                                                                    <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
       ✓ 🖿 kr.ac.skuniv.ce
                                                                            android:gravity="center"
                MainActivity
                                                                            android:layout_width="match_parent"
      > la kr.ac.skuniv.ce (androidTest)
                                                                            android:layout_height="match_parent"
      > Im kr.ac.skuniv.ce (test)
                                                                             android:orientation="vertical">
    > 🖙 java (generated)
                                                                            <LinearLayout
   ∨ 📭 res
       > Di drawable
                                                                                   android:gravity="center"
       > 🖿 layout
                                                                                    android:layout_width="wrap_content"
       > 🛅 mipmap
                                                                                    android:layout_height="wrap_content"
       ∨ 🖿 values
                                                                                    android:orientation="vertical">
               a colors.xml
                🚚 strings.xml
                                                                                           android:id="@+id/button1"
            > themes (2)
                                                                                           android:layout_width="wrap_content"
       > 🛅 xml
                                                                                         android:layout_height="wrap_content"
                                                                                           android:lavout weight="1"
> @ Gradle Scripts
                                                                                           android:background="#D8E98A"
                                                                                           android:padding="15dp"
                                                                                            android:text="버튼1"
                                                                                           android:textSize="30dp" />
                                                                                    <Button
                                                                                           android:id="@+id/button2"
                                                                                            android:layout_width="wrap_content"
                                                                                            android:layout_height="wrap_content"
                                                     26
                                                                                            android:layout_marginTop="10dp"
                                                                                            android:layout_weight="1"
                                                     28
                                                                                            android:background="#D8E98A"
                                                                                            android:padding="15dp"
                                                                                            android:text="버튼2"
                                                                                            android:textSize="30dp" />
                                                                                           android:layout_marginTop="100dp"
                                                     34
                                                                                           android:layout_marginBottom="100dp'
   > manifests
                                                                                           android: layout_width="wrap_content"
    ∨ 📄 java
                                                                                           android:layout_height="wrap_content"

✓ Image: Value of the valu
                                                                                           android:orientation="horizontal">
                MainActivity
       > kr.ac.skuniv.ce (androidTest) 38
                                                                                           <Button
        > 🖿 kr.ac.skuniv.ce (test)
                                                                                                   android:id="@+id/button3"
    > 🞼 java (generated)
                                                                                                   android:layout_width="wrap_content"

✓ Image: res

                                                                                                   android:layout_height="wrap_content"
       > 🛅 drawable
                                                                                                   android:layout_weight="1"
        > 🛅 layout
                                                                                                   android:background="#D8E98A"
        > 🛅 mipmap
                                                                                                   android:textSize="30dp"
       ∨ 🛅 values
                                                                                                   android:padding="15dp"
                a colors.xml
                                                                                                   android:text="버튼3" />
                 strings.xml
                                                                                           <Button
            > themes (2)
                                                                                                   android:layout_marginLeft="10dp"
        > 🛅 xml
                                                     49
                                                                                                   android:id="@+id/button4"
       res (generated)
> A Gradle Scripts
                                                                                                   android:layout_width="wrap_content"
                                                                                                   android: layout_height="wrap_content"
                                                                                                   android:layout_weight="1"
                                                     53
                                                                                                   android:background="#D8E98A"
                                                                                                   android:textSize="30dp"
                                                                                                   android:padding="15dp"
                                                                                                   android:text="버튼4" />
                                                                                    <Button
                                                                                           android:id="@+id/button5"
                                                     60
                                                                                           android:layout_width="wrap_content"
                                                                                           android:layout_height="wrap_content"
                                                                                           android:layout_weight="1"
                                                                                           android:background="#D8E98A"
                                                     63
                                                                                           android:textSize="30dp"
                                                                                           android:padding="15dp'
                                                                                           android:text="버튼5" />
                                                                                          android:id="@+id/button6"
```

```
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginTop="10dp"
android:layout_weight="1"
android:background="#buspa"
android:textSize="30dp"
android:textSize="30dp"
android:text="增售6" />

</LinearLayout>
```

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
android:gravity="center'
android:layout_width="match_parent" android:layout_height="match_parent"
android:orientation="vertical">
<LinearLayout
android:gravity="center"
android:layout_width="wrap_content" android:layout_height="wrap_content"
android:orientation="vertical">
<Button
android:id="@+id/button1"
android:layout_width="wrap_content"
android:layout_height="wrap_content" android:layout_weight="1"
android:background="#D8E98A" android:padding="15dp"
android:text="버튼1"
android:textSize="30dp" />
<Button
android:id="@+id/button2"
android:layout_width="wrap_content" android:layout_height="wrap_content"
android:layout_marginTop="10dp"
android:layout_weight="1" android:background="#D8E98A"
android:padding="15dp"
android:text="버튼2"
android:textSize="30dp" />
<LinearLayout
android:layout_marginTop="100dp"
android:layout_marginBottom="100dp"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:orientation="horizontal">
<Button
android:id="@+id/button3"
android:layout_width="wrap_content" android:layout_height="wrap_content"
android:layout_weight="1" android:background="#D8E98A"
android:textSize="30dp"
android:padding="15dp"
android:text="버튼3" />
<Button
android:layout_marginLeft="10dp"
android:id="@+id/button4"
android:layout_width="wrap_content" android:layout_height="wrap_content"
android:lavout_weight="1"
android:background="#D8E98A"
android:textSize="30dp"
```

```
android:padding="15dp"
android:text="버튼4" />
</LinearLayout>
<Button
android:id="@+id/button5"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_weight="1"
android:background="#D8E98A"
android:textSize="30dp"
android:padding="15dp"
android:text="버튼5" />
<Button
android:layout_width="wrap_content"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginTop="10dp"
android:layout_weight="1"
android:background="#D8E98A"
android:textSize="30dp"
android:padding="15dp"
android:text="버튼6" />
</LinearLayout>
```

</LinearLayout>

2. 교제 p. 161의 Activity를 Java만을 이용해 구현하시오(XML 사용 금지)

<실행화면>

(v)		
1:15 \$ @ @		▼⊿ 🗈
Calculator		
Number 1		 - 1
Number 2		
+		
*		
1		- 1
Result		
		- 1
		_
		- 1
◀	•	+
		1:1
		[F.2

<MainActivity.java>

```
🛎 Android 🔻 😲 😇 😤 🌣 🛑 🍥 MainActivity,java × 🎳 activity_main.xml × 👼 strings.xml ×
V 📭 арр
                                       package kr.ac.skuniv.ce;
  > manifests
   ∨ 📄 java
                                       import androidx.appcompat.app.AppCompatActivity;
     > linkrac skuniv ce
     > | kr ac skuniv ce (androidTest)
                                       import android.graphics.Color;
     > kr.ac.skuniv.ce (test)
                                       import android.os.Bundle;
   > 🞼 java (generated)
                                       import android.widget.Button;
   ∨ 📭 res
                                       import android.widget.EditText;
    > Im drawable
                               9
     > 🖿 layout
                                       import android.widget.LinearLayout;
     > 🛅 mipmap
                               10
                                       import android.widget.TextView;
     V To values
    colors.xml 12 👶 public class MainActivity extends AppCompatActivity {
       strings.xml
                                           Moverride
     > Im xml
                               15 01
                                           protected void onCreate(Bundle savedInstanceState) {
     res (generated)
                                               super.onCreate(savedInstanceState);
  LinearLayout container = new LinearLayout( context this):
     container.setOrientation(LinearLayout.VERTICAL);
     gradle-wrapper.properties (Gradle 19
     proguard-rules.pro (ProGuard Rule 20
                                               LinearLayout container1 = new LinearLayout( context this):
     gradle.properties (Project Propertie 21
                                               container1.setOrientation(LinearLayout.HORIZONTAL);
      settings.gradle (Project Settings) 22
     local.properties (SDK Location)
                                               LinearLayout container2 = new LinearLayout( context: this);
                                               container2.setOrientation(LinearLayout.HORIZONTAL);
                                               LinearLayout container3 = new LinearLayout( context this):
                                               container3.setOrientation(LinearLayout.HORIZONTAL);
                                               LinearLayout.LayoutParams params = new LinearLayout.LayoutParams(
                                                        LinearLayout.LayoutParams.WRAP_CONTENT.
                                                        LinearLayout.LayoutParams.WRAP CONTENT
                                               ):
                                                TextView t1 = new TextView( context this):
                                               t1.setText("Number 1");
                                                t1.setTextSize(20):
∨ 📭 app
                                                t1.setTextColor(Color.parseColor( colorString: "#000000"));
    manifests
                                                t1.setLayoutParams(params);
   ∨ 📄 java
                                               container1 addView(t1):
    > lim kr.ac skuniv ce
    > lim kr.ac.skuniv.ce (androidTest)
                                               EditText e1 = new EditText( context: this);
     > 🖿 kr.ac.skuniv.ce (test)
                                                e1.setLayoutParams(params);
   > 🖙 java (generated)
                                                                                                     "):
                                               el setText("

    ✓ Image res
    → Image drawable
                                               container1.addView((e1)):
     > 🛅 layout
                                                TextView t2 = new TextView( context: this);
     > 🖿 mipmap

✓ Image values

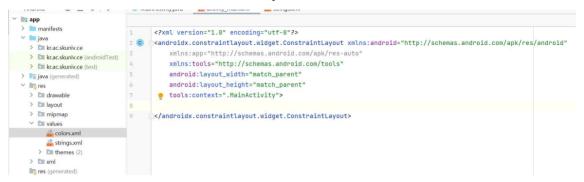
                                                t2.setText("Number 2");
a colors.xml
                                                t2 setTextSize(20):
       strings.xml
                                                t2.setTextColor(Color.parseColor( colorString: "#000000"));
                                                t2.setLayoutParams(params);
     > 🛅 xml
                                               container2.addView(t2);
     res (generated)
EditText e2 = new EditText( context: this);
     build.gradle (Module: calculater.ap 54
                                                e2.setLayoutParams(params);
     gradle-wrapper.properties (Gradle 55
                                                e2.setText("
                                                                                                     ");
     proguard-rules.pro (ProGuard Rule 56
                                               container2.addView((e2));
     gradle.properties (Project Propertie 57
     settings.gradle (Project Settings) 58
                                               container addView(container1):
     a local.properties (SDK Location)
                                               container.addView(container2);
                                                Button b1 = new Button( context: this);
                                                b1.setText("+"):
                                               b1.setLayoutParams(params);
                                                container.addView(b1);
                                                Button b2 = new Button( context: this);
                                               b2.setText("-");
                                                b2.setLayoutParams(params);
                                                container.addView(b2);
                                                Button b3 = new Button( context: this):
                                               b3.setText("*"):
```

```
b3.setLavoutParams(params):
    > 🛅 layout
                                   container addView(b3):
    > 🖿 mipmap
    ✓ 🛅 values
                     76
                                   Rutton h4 = new Rutton( context this).
    a colors.xml
                                   b4.setText("/"):
       astrings.xml
     > themes (2)
                       78
                                   h4.setlavoutParams(params):
    > D xml
                                   container.addView(b4);
    res (generated)
                       88
                                   TextView t3 = new TextView( context: this);
    build.gradle (Project: calculater)
                                   t3.setText("Result");
                       82
    w build.gradle (Module: calculater.ap 83
                                   t3.setTextSize(20):
    gradle-wrapper.properties (Gradle 84
                                   t3.setTextColor(Color.parseColor(colorString: "#000000"));
    proguard-rules.pro (ProGuard Rule
    gradle.properties (Project Propertie 85
                                   t3.setLavoutParams(params):
                                   container3.addView(t3):
    settings.gradle (Project Settings)
    allocal.properties (SDK Location)
                                   EditText e3 = new EditText( context this):
                       88
                                   e3.setLayoutParams(params);
                                                                          "):
                                   e3.setText("
                                   container3.addView((e3)):
                                   container.addView(container3):
                                   setContentView(container):
package kr.ac.skuniv.ce;
import androidx.appcompat.app.AppCompatActivity;
import android.graphics.Color;
import android.os.Bundle;
import android.widget.Button;
import android.widget.EditText;
import android.widget.LinearLayout;
import android.widget.TextView;
public class MainActivity extends AppCompatActivity {
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
LinearLayout container = new LinearLayout(this);
container.setOrientation(LinearLayout. VERTICAL);
LinearLayout container1 = new LinearLayout(this);
container1.setOrientation(LinearLayout.HORIZONTAL);
LinearLayout container2 = new LinearLayout(this);
container2.setOrientation(LinearLayout.HORIZONTAL);
LinearLayout container3 = new LinearLayout(this);
container3.setOrientation(LinearLayout.HORIZONTAL);
LinearLayout.LayoutParams params = new LinearLayout.LayoutParams(
LinearLayout.LayoutParams. WRAP_CONTENT,
LinearLayout.LayoutParams. WRAP_CONTENT
TextView t1 = new TextView(this);
t1.setText("Number 1");
t1.setTextSize(20);
t1.setTextColor(Color.parseColor("#000000"));
t1.setLayoutParams(params);
container1.addView(t1);
EditText e1 = new EditText(this);
e1.setLavoutParams(params);
e1.setText("
                                                                ");
container1.addView((e1));
```

```
TextView t2 = new TextView(this);
t2.setText("Number 2");
t2.setTextSize(20);
t2.setTextColor(Color.parseColor("#000000"));
t2.setLayoutParams(params);
container2.addView(t2);
EditText e2 = new EditText(this);
e2.setLayoutParams(params);
e2.setText("
                                                              ");
container2.addView((e2));
container.addView(container1);
container.addView(container2);
Button b1 = new Button(this);
b1.setText("+");
b1.setLayoutParams(params);
container.addView(b1);
Button b2 = new Button(this);
b2.setText("-");
b2.setLayoutParams(params);
container.addView(b2);
Button b3 = new Button(this);
b3.setText("*");
b3.setLayoutParams(params);
container.addView(b3);
Button b4 = new Button(this);
b4.setText("/");
b4.setLayoutParams(params);
container.addView(b4);
TextView t3 = new TextView(this);
t3.setText("Result");
t3.setTextSize(20);
t3.setTextColor(Color.parseColor("#000000"));
t3.setLayoutParams(params);
container3.addView(t3);
EditText\ e3 = new\ EditText(this);
e3.setLayoutParams(params);
                                                              ");
e3.setText("
container3.addView((e3));
container.addView(container3);
setContentView(container);
```

<string.xml>

<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">

</androidx.constraintlavout.widget.ConstraintLavout>

3. 아래와 같은 TextView와 CheckBox를 가진 초기화면(좌측)을 작성하고, 시 작함을 체크하면 우측 그림과 같이 좋아하는 애완동물을 선택하는 RadioButton과 선택 완료 Button이 나타난다(미리 만들어 놓았다가 Visible 속성 변경)

<실행화면>





여기에서 좋아하는 애완동물을 선택하고 선택 완료 Button을 누르면 해당 동물의 사진(임의로 선정해 사용)이 나타난다(좌측). 언제나 시작함 체크를 해제하면 초기화면으로 돌아간다.



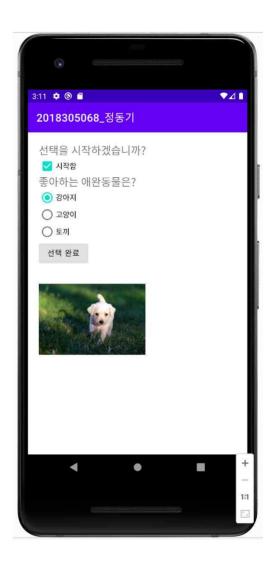




checkbox 끔

다른 예시이다(고양이, 강아지)





<MainActivity.java>

```
🔺 ... 😲 🗵 😤 activity_main.xml × 🌀 MainActivity.java × 👸 strings.xml ×
Y 📭 арр
                                              package kr.ac.skuniv.ce;
   > manifests
    ∨ iava
                                              import androidx.appcompat.app.AppCompatActivity:

∨ □ kr.ac.skuniv

                © MainAct
                                              import android.os.Bundle;
    > 🖿 kr.ac.skuniv
                                              import android.view.View;
     > 🛅 kr.ac.skuniv
                                              import android widget Button:
    > 🖙 java (generated
                                              import android.widget.CheckBox;

✓ ■ res

                                              import android.widget.ImageView;

✓ ☐ drawable

                at.jpg 10
                                              import android.widget.RadioButton:
                dog.jpg 11
                                              import android.widget.RadioGroup;
                 ic_launcl 12
                                              import android.widget.TextView;
                 ic_launcl 13
                abbit.jp 14
                                              public class MainActivity extends AppCompatActivity {
       > 🛅 layout
                                                     ImageView image;
       > 🛅 mipmap
                                                      TextView text:
                              16

∨ I values

                acolors.xr 17
                                                     RadioGroup radioGroup;
                strings.x 18
                                                      Button button;
            > themes 19
        > D xml
       res (generated 21 of
                                                     protected void onCreate(Bundle savedInstanceState) {
> A Gradle Scripts
                                                             super.onCreate(savedInstanceState);
                                                             setContentView(R.layout.activity_main);
                                                             text = (TextView) findViewById(R.id.text);
                                25
                                                             radioGroup = (RadioGroup) findViewById(R.id.radiogroup);
                                                             button = (Button) findViewBvId(R.id.button):
                                                             image = (ImageView) findViewById(R.id.image);
                                28
                                                             image.setVisibility(View.INVISIBLE):
                                30
                                                              text.setVisibility(View.INVISIBLE);
                                                             radioGroup.setVisibility(View.INVISIBLE);
                                                             button.setVisibility(View.INVISIBLE);
                                33
    app
                                                              button.setOnClickListener(new View.OnClickListener() {
     > manifests
     ∨ 📄 java
                                36 1
                                                                      public void onClick(View view) {
         ∨ Image: Value va
                                                                            image.setVisibility(View.VISIBLE);
                 © MainAct 38
        > 🖿 kr.ac.skuniv
                                                              });
        > 🖿 kr.ac.skuniv
     > is java (generated 40

✓ Image: res

                                                      public void checkClicked(View view){
         ∨ 🖿 drawable 42
                 at.jpg 43
                                                              boolean checkbox = ((CheckBox) view).isChecked();
                 dog.jpg 44
                                                              if (checkbox) {
                 dic_launcl 45
                                                                     text.setVisibility(View.VISIBLE):
                 ic_launcl 46
                                                                     radioGroup.setVisibility(View.VISIBLE);
                  abbit.jp 47
                                                                     button.setVisibility(View.VISIBLE);
        > 🛅 layout
                              48
         > 🛅 mipmap
                                                              else {

✓ □ values

                 d colors.xi 50 €
                                                                     text.setVisibility(View.INVISIBLE);
                 strings.x 51
                                                                     radioGroup.setVisibility(View.INVISIBLE);
                                                                     button.setVisibility(View.INVISIBLE):
            > themes 52
         > 🛅 xml
                                                                     image.setVisibility(View.INVISIBLE);
        res (generated 54
 > A Gradle Scripts
                                56 @
                                                      public void radioClicked(View view){
                                                              boolean radiobutton = ((RadioButton) view).isChecked();
                                58
                                                              switch (view.getId()){
                                60
                                                                     case R.id.radio1:
                                61 👭
                                                                            image.setImageResource(R.drawable.dog);
                                                                             image.setVisibility(View.INVISIBLE);
                                                                            break.
                                                                      case R.id.radio2:
                                65 📉
                                                                            image.setImageResource(R.drawable.cat);
                                                                             image.setVisibility(View.INVISIBLE);
                                                                             break;
```

```
case R.id.radio3:
             69 🔼
                               image.setImageResource(R.drawable.rabbit);
              70
                               image.setVisibility(View.INVISIBLE);
package kr.ac.skuniv.ce;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.CheckBox;
import android.widget.ImageView;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.TextView;
public class MainActivity extends AppCompatActivity {
ImageView image;
TextView text;
RadioGroup radioGroup;
Button button;
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
text = (TextView) findViewById(R.id.text);
radioGroup = (RadioGroup) findViewById(R.id.radiogroup);
button = (Button) findViewById(R.id.button);
image = (ImageView) findViewById(R.id.image);
image.setVisibility(View.INVISIBLE);
text.setVisibility(View.INVISIBLE);
radioGroup.setVisibility(View.INVISIBLE);
button.setVisibility(View.INVISIBLE);
button.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View view) {
image.setVisibility(View. VISIBLE);
});
public void checkClicked(View view){
boolean checkbox = ((CheckBox) view).isChecked();
if (checkbox) {
text.setVisibility(View.VISIBLE);
radioGroup.setVisibility(View.VISIBLE);
button.setVisibility(View. VISIBLE);
else {
text.setVisibility(View.INVISIBLE);
radioGroup.setVisibility(View.INVISIBLE);
button.setVisibility(View.INVISIBLE);
image.setVisibility(View.INVISIBLE);
public void radioClicked(View view){
```

boolean radiobutton = ((RadioButton) view).isChecked();

```
switch (view.getId()){
  case R.id.radio1:
  image.setImageResource(R.drawable.dog);
  image.setVisibility(View.INVISIBLE);
  break;
  case R.id.radio2:
  image.setImageResource(R.drawable.cat);
  image.setVisibility(View.INVISIBLE);
  break;
  case R.id.radio3:
  image.setImageResource(R.drawable.rabbit);
  image.setVisibility(View.INVISIBLE);
  break;
}
}
```

<string.xml>



<activity_main.xml>

```
🛎 🛒 🕀 🗵 🛣 🕍 💑 activity_main.xml 🗡 🌀 MainActivity.java 🗡 👶 strings.xml 🗡
V 📑 арр
   > manifests
                                              <?xml version="1.0" encoding="utf-8"?>
   ∨ 📄 java
                                             <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
                                                     xmlns:app="http://schemas.android.com/apk/res-auto"
                MainAct
                                                     android:layout_width="match_parent"
      > 🖿 kr.ac.skuniv
                                                     android:layout_height="match_parent"
       > 🛅 kr.ac.skuniv
    > 🎼 java (generated
                                                     android:layout_marginLeft="20dp"

✓ Image res

                                                     android:orientation="vertical">
       ✓ 🛅 drawable
                                                     <TextView
                at.jpg
                                                            android:layout_width="wrap_content"
                dog.jpg 10
                                                            android:layout_height="wrap_content"
                ic_launcl 11
                                                            android:layout_marginTop="20dp"
                🚚 ic_launcl
                                                            android:text="선택을 시작하겠습니까?"
                abbit.jp
                                                            android:textSize="20dp"/>
       > 🛅 layout
                                                     <CheckBox android:id="@+id/checkbox"
        > 🛅 mipmap
                                                            android:layout_width="wrap_content"

✓ 

✓ values

                acolors.xi 16
                                                            android:layout_height="wrap_content"
                astrings.x 17
                                                           android:minWidth="0dp"
           > Im themes 18
                                                            android:minHeight="Odp"
        > 🛅 xml
                                                            android:onClick="checkClicked"
       res (generated 20
                                                            android:text="시작함"
> A Gradle Scripts
                                                     <TextView android:id="@+id/text"
                                                            android:layout_width="wrap_content"
                                                            android:layout_height="wrap_content"
                                                            android:text="종아하는 애완동물은?"
                                                            android:textSize="20dp"/>
                                                     <RadioGroup android:id="@+id/radiogroup"
                                                            android:layout width="match parent"
                               29
                                                            android:layout_height="wrap_content"
                               30
                                                            android:orientation="vertical">
                                                            <RadioButton android:id="@+id/radio1"</pre>
                                                                   android:layout_width="match_parent"
                                                                   android:layout_height="wrap_content"
                                                                   android:minWidth="0dp"
    / manifests
                                                                   android:minHeight="0dp"
    ∨ 📄 iava
        ∨ 🖿 kr.ac.skuniv <sup>36</sup>
                                                                   android:onClick="radioClicked"
                                                                   android:text="강아지"/>
               © MainAct 37
       > kr.ac.skuniv 38
                                                            <RadioButton android:id="@+id/radio2"
      > 🖿 kr.ac.skuniv 39
                                                                   android:layout_width="match_parent
    > 🎼 java (generated 40
                                                                   android:layout height="wrap content"
    ∨ meres
                             41
                                                                   android:minWidth="0dp"
                                                                   android:minHeight="0dp"

✓ Image of the variable o
                at.jpg 43
                                                                   android:onClick="radioClicked"
                dog.jpg 44
                                                                   android:text="고양이"/>
                ic_launc 45
                                                            <RadioButton android:id="@+id/radio3"
                a ic launch
                abbit.jp 46
                                                                   android:layout_width="match_parent"
                                                                   android: layout height="wrap content"
       > 🛅 layout
                             48
                                                                   android:minWidth="0dp"
       > 🛅 mipmap
                                                                   android:minHeight="0dp"

∨ Image values

                                                                   android:onClick="radioClicked"
                acolors.xr 50
                strings.x 51
                                                                   android:text="토끼"/>
           > themes 52
        > Dil xml
                                                     <Button android:id="@+id/button"
       res (generated 54
                                                           android:layout_width="wrap_content"
> @ Gradle Scripts
                              55
                                                            android:layout_height="wrap_content"
                                                            android:backgroundTint="#DBDBDB"
                              57
                                                            android:textColor="#000000"
                               58
                                                            android:text="선택 완료"/>
                               59
                                                <ImageView</pre>
                               61
                                                            android:id="@+id/image"
                                                            android:layout_width="200dp'
                                                           android:layout height="200dp" />
                                             </LinearLayout>
```

```
<?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"
android:layout_width="match_parent" android:layout_height="match_parent"
android:layout_marginLeft="20dp"
android:orientation="vertical">
<TextView
android:layout_width="wrap_content" android:layout_height="wrap_content"
android:layout marginTop="20dp"
android:text="선택을 시작하겠습니까?"
android:textSize="20dp"/>
<CheckBox android:id="@+id/checkbox"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:minWidth="0dp"
android:minHeight="0dp"
android:onClick="checkClicked" android:text="시작함"
/>
<TextView android:id="@+id/text"
android:layout_width="wrap_content"
android:layout_height="wrap_content" android:text="좋아하는 애완동물은?"
android:textSize="20dp"/>
< RadioGroup android:id="@+id/radiogroup"
android:layout_width="match_parent'
android:layout_height="wrap_content"
android:orientation="vertical">
<RadioButton android:id="@+id/radio1"
android:layout_width="match_parent" android:layout_height="wrap_content"
android:minWidth="0dp"
android:minHeight="0dp"
android:onClick="radioClicked"
android:text="강아지"/>
< RadioButton android:id="@+id/radio2"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:minWidth="0dp"
android:minHeight="0dp"
android:onClick="radioClicked"
android:text="고양이"/>
<RadioButton android:id="@+id/radio3"
android:layout_width="match_parent" android:layout_height="wrap_content"
android:minWidth="0dp"
android:minHeight="0dp"
android:onClick="radioClicked" android:text="토끼"/>
</RadioGroup>
<Button android:id="@+id/button"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:backgroundTint="#DBDBDB"
android:textColor="#000000"
android:text="선택 완료"/>
<ImageView
android:id="@+id/image"
android:layout_width="200dp"
android:layout_height="200dp" />
</LinearLayout>
```