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| **학번 : 201911204, 이름 : 이주형** |
| **2023년 03주차 실습 체크 리스트** |
| |  |  | | --- | --- | | **실습 1** | **완성** | | **실습 2** | **완성** | |
| **실습 1 : [ 이미지 선택하기 ]** |
| **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/radioGroup"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginTop="50dp"  android:layout\_marginBottom="20dp"  android:orientation="horizontal"  app:layout\_constraintBottom\_toTopOf="@+id/imageView"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.5"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent">   <RadioButton  android:id="@+id/radioButton1"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginRight="15dp"  android:checked="true"  android:text="그림1" />   <RadioButton  android:id="@+id/radioButton2"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginRight="15dp"  android:text="그림2" />   <RadioButton  android:id="@+id/radioButton3"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:text="그림3" />  </RadioGroup>   <ImageView  android:id="@+id/imageView"  android:layout\_width="391dp"  android:layout\_height="0dp"  android:layout\_marginBottom="20dp"  android:scaleType="fitXY"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/radioGroup"  app:srcCompat="@drawable/img1" /> </androidx.constraintlayout.widget.ConstraintLayout> |
| **MainActivity.kt** |
| package com.frost.lab\_assignment01  import androidx.appcompat.app.AppCompatActivity import android.os.Bundle import com.frost.lab\_assignment01.databinding.ActivityMainBinding  class MainActivity : AppCompatActivity() {  lateinit var binding:ActivityMainBinding  override fun onCreate(savedInstanceState: Bundle?) {  super.onCreate(savedInstanceState)  binding = ActivityMainBinding.inflate(*layoutInflater*)  setContentView(binding.*root*)  init()  }  fun init(){  binding.radioGroup.setOnCheckedChangeListener **{** group, checkedId **->** when(checkedId){  binding.radioButton1.*id* ->{  binding.imageView.setImageResource(R.drawable.*img1*)  }  binding.radioButton2.*id*->{  binding.imageView.setImageResource(R.drawable.*img2*)  }  binding.radioButton3.*id*->{  binding.imageView.setImageResource(R.drawable.*img3*)  }  }  **}** } } |
| **실행결과** |
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| **실습2 : 터치 이벤트로 이미지 출력** |
| **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/radioGroup"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginTop="50dp"  android:layout\_marginBottom="20dp"  android:orientation="horizontal"  app:layout\_constraintBottom\_toTopOf="@+id/imageView"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.5"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent">   <RadioButton  android:id="@+id/radioButton1"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginRight="15dp"  android:checked="true"  android:text="그림1" />   <RadioButton  android:id="@+id/radioButton2"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginRight="15dp"  android:text="그림2" />   <RadioButton  android:id="@+id/radioButton3"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:text="그림3" />  </RadioGroup>   <ImageView  android:id="@+id/imageView"  android:layout\_width="384dp"  android:layout\_height="0dp"  android:layout\_marginBottom="21dp"  android:scaleType="fitXY"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.5"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/radioGroup"  app:srcCompat="@drawable/img1" />   </androidx.constraintlayout.widget.ConstraintLayout> |
| **MainActivity.kt** |
| package com.frost.lab\_assignment02  import androidx.appcompat.app.AppCompatActivity import android.os.Bundle import android.view.MotionEvent import android.view.View import com.frost.lab\_assignment02.databinding.ActivityMainBinding class MainActivity : AppCompatActivity() {  lateinit var binding: ActivityMainBinding  var coorDown: Float = 0.0f  var coorUp: Float = 0.0f  override fun onCreate(savedInstanceState: Bundle?) {  super.onCreate(savedInstanceState)  binding = ActivityMainBinding.inflate(*layoutInflater*)  setContentView(binding.*root*)  init()  binding.imageView.setOnTouchListener **{** v: View, event: MotionEvent **->** when (event.*action*) {  MotionEvent.*ACTION\_DOWN* -> {  coorDown = event.*x*!!  }  MotionEvent.*ACTION\_UP* -> {  coorUp = event.*x*!!  if(coorDown>=coorUp){  when(binding.radioGroup.*checkedRadioButtonId*){  binding.radioButton1.*id*-> {  binding.imageView.setImageResource(R.drawable.*img2*)  binding.radioGroup.check(binding.radioButton2.*id*)  }  binding.radioButton2.*id*-> {  binding.imageView.setImageResource(R.drawable.*img3*)  binding.radioGroup.check(binding.radioButton3.*id*)  }  }  }else{  when(binding.radioGroup.*checkedRadioButtonId*){  binding.radioButton2.*id*-> {  binding.imageView.setImageResource(R.drawable.*img1*)  binding.radioGroup.check(binding.radioButton1.*id*)  }  binding.radioButton3.*id*-> {  binding.imageView.setImageResource(R.drawable.*img2*)  binding.radioGroup.check(binding.radioButton2.*id*)  }  }  }  }  }  true // or false  **}** }  fun init() {  binding.radioGroup.setOnCheckedChangeListener **{** group, checkedId **->** when(checkedId){  binding.radioButton1.*id* ->{  binding.imageView.setImageResource(R.drawable.*img1*)  }  binding.radioButton2.*id*->{  binding.imageView.setImageResource(R.drawable.*img2*)  }  binding.radioButton3.*id*->{  binding.imageView.setImageResource(R.drawable.*img3*)  }  }  **}** } } |
| **실행결과** |
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