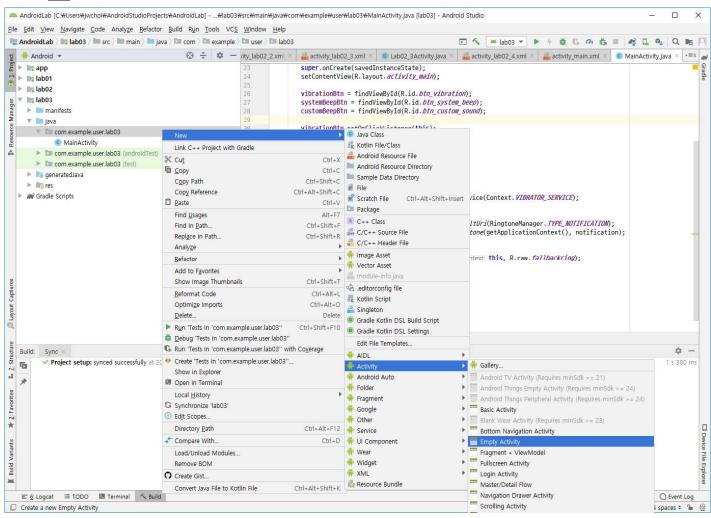
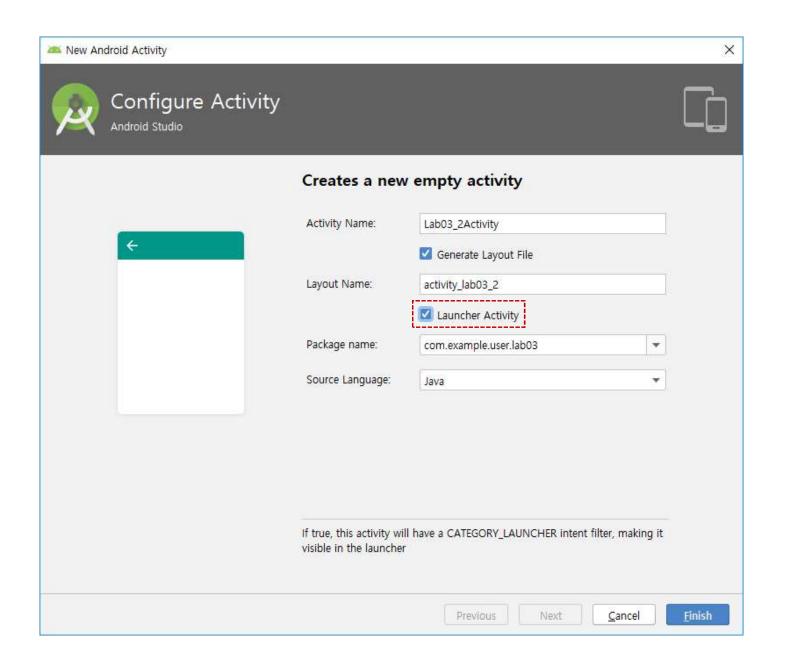
다이얼로그 띄우기

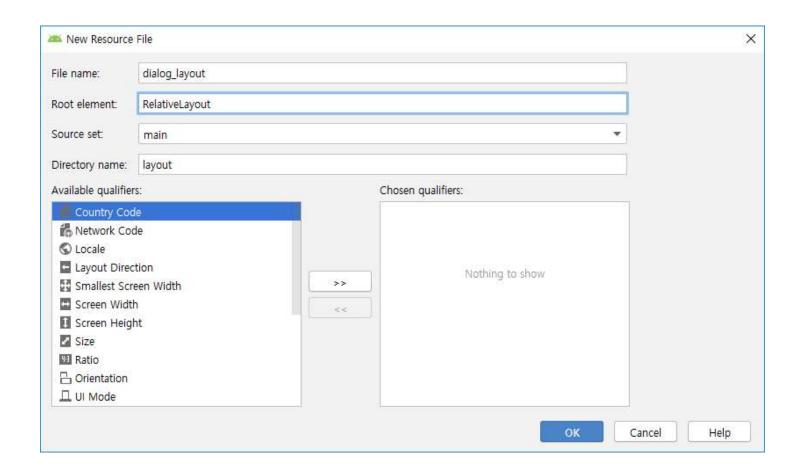
Step 1 _ 액티비티 생성





Step 2 _ 커스텀 다이얼로그 레이아웃 XML 작성





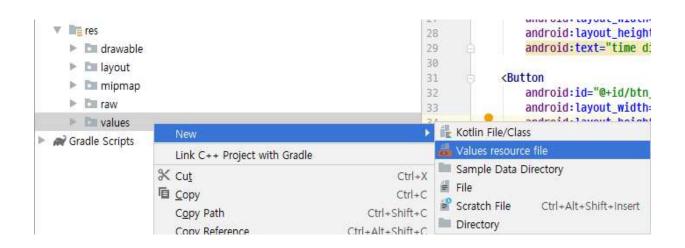
Step 3 _ dialog_layout.xml 작성

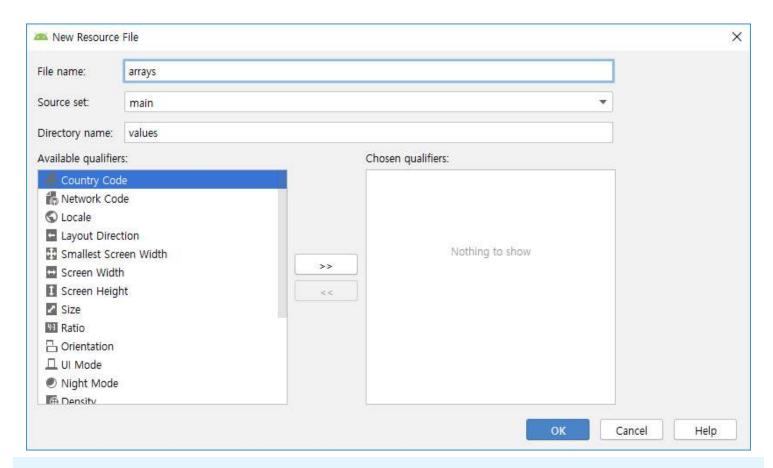
```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
   android:layout width="match parent"
   android:layout height="match parent">
   <TextView
       android:id="@+id/text1"
       android:layout width="wrap content"
       android:layout height="wrap content"
       android:text="USB 디버깅을 허용하시겠습니까?"
       android:textStyle="bold"
       android:textSize="15dp"
       android:layout marginLeft="32dp"
       android:layout marginTop="32dp" />
   <TextView
       android:id="@+id/text2"
       android:layout width="wrap content"
       android:layout height="wrap content"
       android:text="컴퓨터 RSA키 지문: "
       android:layout below="@id/text1"
       android:layout_alignLeft="@id/text1" />
```

Step 4 _ activity_lab03_2.xml 작성

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
   android:layout width="match parent"
   android:layout height="match parent"
   android:orientation="vertical">
    <Button
       android:id="@+id/btn alert"
       android: layout width="match parent"
       android:layout height="wrap content"
       android:text="alert dialog" />
    <Button
       android:id="@+id/btn list"
       android: layout width="match parent"
       android:layout height="wrap content"
       android:text="list dialog" />
    <Button
       android:id="@+id/btn date"
       android:layout_width="match parent"
       android:layout height="wrap content"
       android:text="date dialog" />
```

Step 5 _ arrays.xml 파일 생성





Note: A string array is a simple resource that is referenced using the value provided in the name attribute (not the name of the XML file). As such, you can combine string array resources with other simple resources in the one XML file, under one <resources> element.

Step 6 _ arrays.xml 작성

Step 7 _ Lab03_2Activity.java 작성

public class Lab03_2Activity extends AppCompatActivity implements View.OnClickListener {

Button alertBtn;
Button listBtn;
Button dateBtn;
Button timeBtn;
Button customDialogBtn;

// 이벤트 처리를 위해 dialog 객체를 멤버변수로 선언
AlertDialog customDialog; // android.app.AlertDialog
AlertDialog listDialog; // android.app.AlertDialog

AlertDialog alertDialog; // android.app.AlertDialog

```
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
   setContentView(R.layout.activity lab03 2);
   // View 객체 획득
   alertBtn = findViewById(R.id.btn alert);
    listBtn = findViewById(R.id.btn_list);
   dateBtn = findViewById(R.id.btn date);
    timeBtn = findViewById(R.id.btn time);
    customDialogBtn = findViewById(R.id.btn custom);
   // 버튼 이벤트 등록
   alertBtn.setOnClickListener(this);
    listBtn.setOnClickListener(this);
    dateBtn.setOnClickListener(this);
    timeBtn.setOnClickListener(this);
   customDialogBtn.setOnClickListener(this);
```

Make a standard toast that just contains a text view.

Parameters		
context	Context: The context to use. Usually your Application or Activity object.	
text	CharSequence: The text to show. Can be formatted text.	
duration	int: How long to display the message. Either LENGTH_SHORT or LENGTH_LONG Value is LENGTH_SHORT, or LENGTH_LONG	

```
// Dialog Button 이벤트 처리
DialogInterface.OnClickListener dialogListener = new DialogInterface.OnClickListener() {
   @Override
   public void onClick(DialogInterface dialog, int which) {
       if (dialog == customDialog && which == DialogInterface.BUTTON POSITIVE) {
           showToast("custom dialog 확인 click....");
       } else if (dialog == listDialog) {
           // 목록 dialog의 항목이 선택되었을 때 항목 문자열 획득
           String[] data = getResources().getStringArray(R.array.dialog_array);
           showToast(data[which] + " 선택하셨습니다.");
       } else if (dialog == alertDialog && which == DialogInterface.BUTTON_POSITIVE) {
           showToast("alert dialog ok click...");
```

```
@Override
                                                    AlertDialog.Builder(Context context)
public void onClick(View view) {
                                                    Creates a builder for an alert dialog that uses the default alert dialog theme.
     if (view == alertBtn) {
         AlertDialog.Builder builder = new AlertDialog.Builder(this);
          builder.setIcon(android.R.drawable.ic_dialog_alert);
          builder.setTitle("알림");
                                                                                                 Title
                                                                           알림
          builder.setMessage("정말 종료 하시겠습니까?");
                                                                         정말 종료 하시겠습니까?
          builder.setPositiveButton("OK", dialogListener);
          builder.setNegativeButton("NO", null);
                                                                                                 Button
                                                 public AlertDialog.Builder setPositiveButton (CharSequence text,
         alertDialog = builder.create();
                                                              DialogInterface.OnClickListener listener)
         alertDialog.show();
                                                 public AlertDialog.Builder setNegativeButton (CharSequence text,
```

DialogInterface.OnClickListener listener)

```
else if (view == listBtn) {
    AlertDialog.Builder builder = new AlertDialog.Builder(this);
    builder.setTitle("알람 벨소리");
    builder.setSingleChoiceItems(R.array.dialog_array, 0, dialogListener);
    builder.setPositiveButton("확인", null);
    builder.setNegativeButton("취소", null);
    listDialog = builder.create();
    listDialog.show();
}
```

위의 함수를 사용하면 항목 옆에 체크박스가 나옴

```
else if (view == dateBtn) {

// 현재 날짜로 dialog를 띄우기 위해 날짜를 구함

Calendar c = Calendar.getInstance(); // java.util.Calendar

int year = c.get(Calendar.YEAR);

int month = c.get(Calendar.MONTH);

int day = c.get(Calendar.DAY_OF_MONTH);

DatePickerDialog dateDialog = new DatePickerDialog(this, new DatePickerDialog.OnDateSetListener() {

@Override

public void onDateSet(DatePicker view, int year, int month, int dayOfMonth) {

showToast(year + "-" + (month + 1) + "-" + dayOfMonth);

}

}, year, month, day);
dateDialog.show();
}
```

```
else if (view == timeBtn) {

// 현재 시간으로 Dialog를 띄우기 위해 시간을 구함

Calendar c = Calendar.getInstance(); // java.util.Calendar

int hour = c.get(Calendar.HOUR_OF_DAY); HOUR_OF_DAY is used for the 24-hour clock
int minute = c.get(Calendar.MINUTE);

TimePickerDialog timeDialog = new TimePickerDialog(this, new TimePickerDialog.OnTimeSetListener() {

@Override

public void onTimeSet(TimePicker view, int hourOfDay, int minute) {

showToast(hourOfDay + ":" + minute);

}

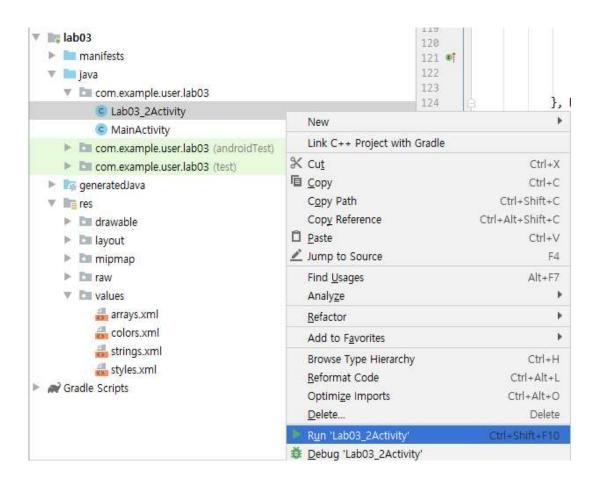
}, hour, minute, false);

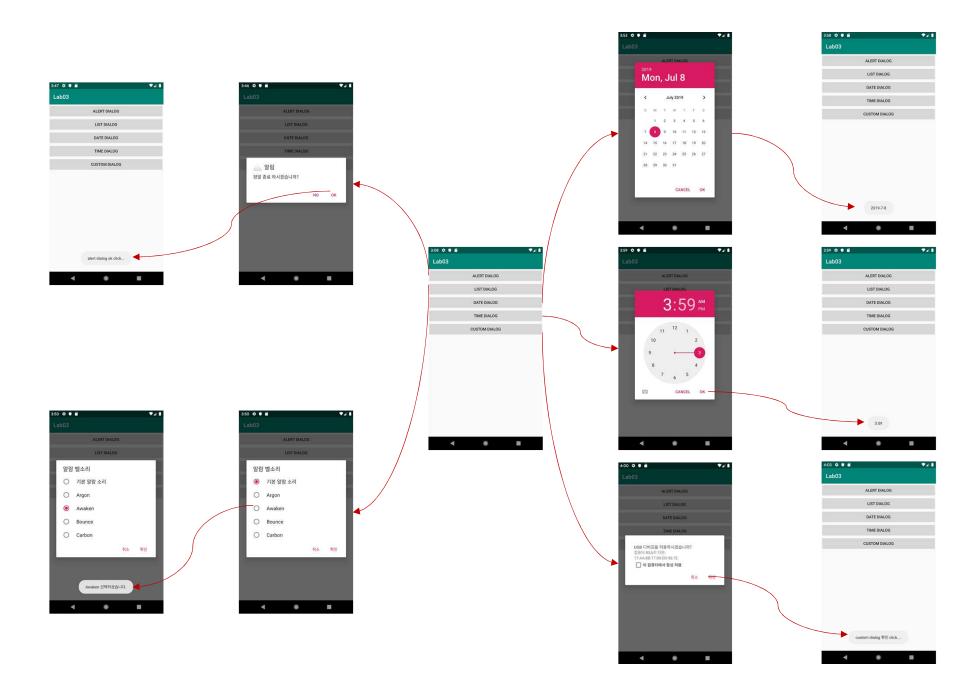
timeDialog.show();

true: 24시간 체계

false: 12시간 체계
```

Step 8 _ Lab03_2Activity.java 실행





AlertDialog Landroid.app.Dialog

- Alert Dialog가 닫히는 세 가지 경우
 dialog 하단의 버튼이 눌림
 스마트폰의 뒤로 가기 버튼이 눌림

 - dialog 창 밖의 화면을 터치했을 때
- AlertDialog.Builder
 - public AlertDialog.Builder setCancelable (boolean cancelable)
 - 이 함수의 값을 false로 지정하면
 - 뒤로 가기 버튼 뿐 아니라 창밖을 터치해도 닫히지 않음
- Dialog
 - public void setCanceledOnTouchOutside (boolean cancel)
 - 이 함수의 값을 false로 지정하면
 - 창밖을 터치했을 때 닫히지 않음

DatePickerDialog

```
java.lang.Object
Landroid.app.Dialog
```

4 android.app.AlertDialog

↓ android.app.DatePickerDialog

DatePickerDialog Added in API level 1

Creates a new date picker dialog for the specified date using the parent context's default date picker dialog theme.

Parameters		
context	Context: the parent context This value must never be null.	
listener	DatePickerDialog.OnDateSetListener: the listener to call when the user sets the date This value may be null.	
year	int: the initially selected year	
month	int: the initially selected month (0-11 for compatibility with Calendar#MONTH)	
dayOfMonth	int: the initially selected day of month (1-31, depending on month)	



TimePickerDialog

java.lang.Object

- L android.app.Dialog
 - 4 android.app.AlertDialog
 - L android.app.TimePickerDialog

□ 40·

TimePickerDialog Added in API level 1

Creates a new time picker dialog.

Parameters		
context	Context: the parent context	
listener	TimePickerDialog.OnTimeSetListener: the listener to call when the time is set	
hourOfDay	int: the initial hour	
minute	int: the initial minute	
is24HourView	boolean: whether this is a 24 hour view or AM/PM	