

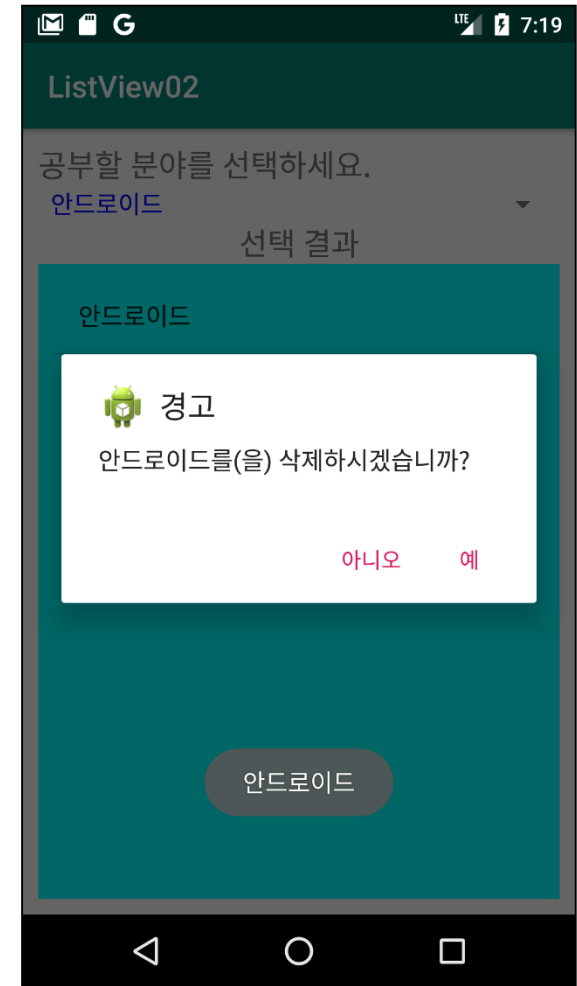
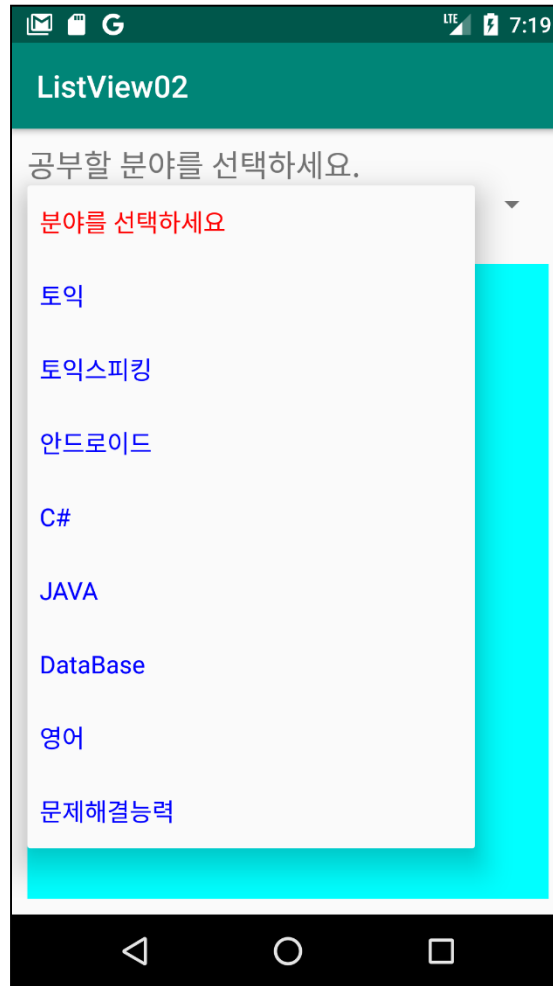
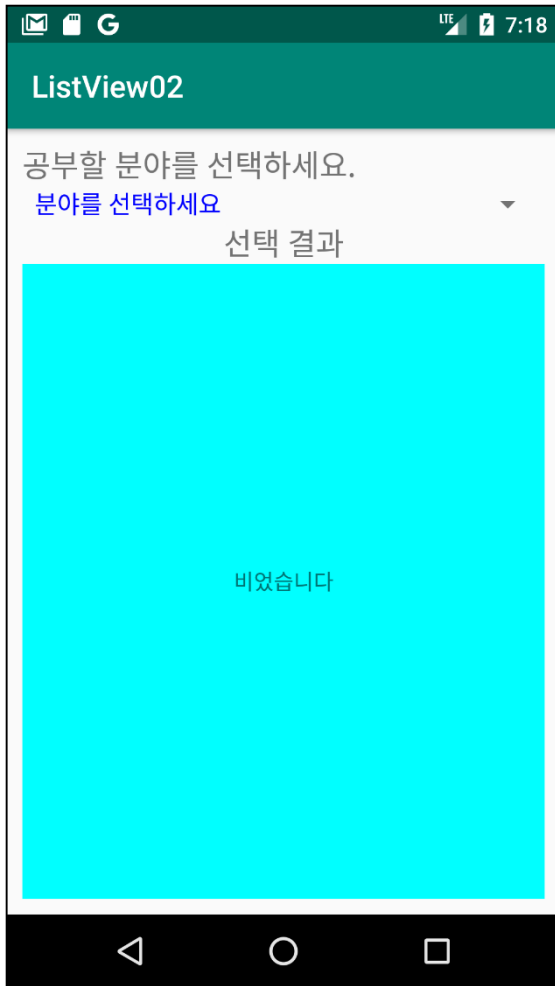
ListView 활용 실습

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ListView 예제 2

■ 다음과 같은 ListView 프로그램을 만들어보자



Futuristic Innovator

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ListView 예제 2

■ 사용자 인터페이스

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:padding="10dp"
    tools:context=".MainActivity">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="공부할 분야를 선택하세요."
        android:textSize="20dp"/>
```



ListView 예제 2

■ 사용자 인터페이스

```
<Spinner  
    android:id="@+id/spinner"  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"/>
```

```
<TextView  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:text="선택 결과"  
    android:textSize="20dp"/>
```

```
<ListView  
    android:id="@android:id/list"  
    android:layout_width="match_parent"  
    android:layout_height="match_parent"  
    android:padding="10dp"  
    android:background="#00FFFF"/>
```



ListView 예제 2

■ 사용자 인터페이스

```
<TextView
    android:id="@android:id/empty"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:padding="10dp"
    android:background="#00FFFF"
    android:text="비었습니다"
    android:gravity="center"
    android:visibility="gone"/>
</LinearLayout>
```



ListView 예제 2

■ arrays.xml

```
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <string-array name="area">
        <item>분야를 선택하세요</item>
        <item>토익</item>
        <item>토익스피킹</item>
        <item>안드로이드</item>
        <item>C#</item>
        <item>JAVA</item>
        <item>DataBase</item>
        <item>영어</item>
        <item>문제해결능력</item>
    </string-array>
</resources>
```



ListView 예제 2

■ MainActivity.JAVA

```
public class MainActivity extends AppCompatActivity {  
    ArrayAdapter<String> adapter1;  
    boolean initSpinner = false;  
    ListView listView;  
    ArrayList<String> arrayList;  
    ArrayAdapter<String> adapter;
```

@Override

```
protected void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
    setContentView(R.layout.activity_main);
```

```
    Spinner spinner = findViewById(R.id.spinner);  
    String[] area = getResources().getStringArray(R.array.area);
```



ListView 예제 2

■ MainActivity.JAVA

```
adapter1 = new ArrayAdapter<String>(this,  
    android.R.layout.simple_spinner_item, area) {  
    @Override  
    public boolean isEnabled(int position) {  
        if (position == 0)  
            return false;  
        else  
            return true;  
    }  
}
```




ListView 예제 2

■ MainActivity.JAVA

```
@Override
public View getDropDownView(int position, View convertView,
                             ViewGroup parent) {
    View view = super.getDropDownView(position, convertView, parent);
    TextView textView = (TextView) view;
    if (position == 0){
        textView.setTextColor(Color.RED);
    } else {
        textView.setTextColor(Color.BLUE);
    }
    return view;
}
};
```



ListView 예제 2

■ MainActivity.JAVA

```
adapter1.setDropDownViewResource(
    android.R.layout.simple_spinner_dropdown_item);
spinner.setAdapter(adapter1);
spinner.setOnItemSelectedListener(
    new AdapterView.OnItemSelectedListener() {

        @Override
        public void onItemSelected(AdapterView<?> parent, View view,
                                   int position, long id) {

            TextView textView = (TextView) view;
            textView.setTextColor(Color.BLUE);
            if (!initSpinner){
                initSpinner = true;
                return;
            }
            arrayList.add(adapter1.getItem(position));
            adapter.notifyDataSetChanged();
            Snackbar.make(view, adapter1.getItem(position),
                           Snackbar.LENGTH_LONG).show();
        }
    }
```



ListView 예제 2

■ MainActivity.JAVA

```
@Override
public void onNothingSelected(AdapterView<?> parent) {
}
});

TextView textView = findViewById(android.R.id.empty);
listView = findViewById(android.R.id.list);
listView.setEmptyView(textView);
arrayList = new ArrayList<>();
adapter = new ArrayAdapter<>(this,
                           android.R.layout.simple_list_item_1, arrayList);
listView.setChoiceMode(ListView.CHOICE_MODE_SINGLE);
listView.setDividerHeight(3);
listView.setAdapter(adapter);
```



ListView 예제 2

■ MainActivity.JAVA

```
listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {  
    @Override  
    public void onItemClick(AdapterView<?> parent, View view,  
                            int position, long id) {  
        Toast.makeText(getApplicationContext(), arrayList.get(position),  
                        Toast.LENGTH_LONG).show();  
    }  
});  
  
listView.setOnItemClickListener(  
    new AdapterView.OnItemClickListener() {  
    public boolean onItemLongClick(AdapterView<?> parent, View view,  
                                    final int position, long id) {  
        AlertDialog.Builder builder= new AlertDialog.Builder(MainActivity.this);  
        builder.setIcon(R.drawable.ic_launcher);  
        builder.setTitle("경고");  
        builder.setMessage(arrayList.get(position)+  
                           "를(을) 삭제하시겠습니까?");  
    }  
});
```



ListView 예제 2

■ MainActivity.JAVA

```
builder.setPositiveButton("예", new DialogInterface.OnClickListener() {
    public void onClick(DialogInterface dialog, int which) {
        arrayList.remove(position);
        adapter.notifyDataSetChanged();
    }
});
builder.setNegativeButton("아니오",
    new DialogInterface.OnClickListener() {
        @Override
        public void onClick(DialogInterface dialog, int which) {
        }
    });
builder.create();
builder.show();
return false;
}
});
}
```