

List View

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➤ Introduction

1. List View is the ViewGroup which display list of data to be displayed on the UI
2. List view uses Adapter which fetch data from array or DB and shows it on each item of the List view
3. setAdapter() method is used to set the adapter to the list view
4. There are 4 types of adapter
 - a. Array adapter
 - b. Cursor adapter
 - c. Simple Adapter
 - d. Base Adapter

➤ Creating List view

1. Define array to be displayed on the list view
2. Create layout for item
3. Create an adapter which takes array and adapter as the arguments
4. Set the adapter using setAdapter() method to list view

```
var nameList = arrayOf("Android", "JAVA", "Kotlin", "Activity", "BroadCast", "Services",  
                        "Content provider", "Fragment")  
var listView : ListView? = null  
var adapter : ArrayAdapter<String>? = null  
override fun onCreate(savedInstanceState: Bundle?) {  
    super.onCreate(savedInstanceState)  
    setContentView(R.layout.activity_list_view)  
    listView = findViewById(R.id.listView)  
    val adapter = ArrayAdapter(context: this, R.layout.item_list_view, nameList)  
    listView?.adapter = adapter  
}
```