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Chapter 5 - List Views & Recycler View
In Android, a scrollable list of items is implemented using a List View The data is populated into the list using an Adapter
using a list view The data is populated into the
list using an Adapter.
Adapter Converts an Array/Arraylist into view items.
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Array Adapter is used to display a set of items in a list view
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Array Adapter & String > ad = new Array Adapter ( this, R. layout list item, 5 Arr) layout (Text View)  list View - Set Adapter (ad);
5 Arr) Jayout (Text View)
Conket String Array
list View Set Adapter (ad);
This sets the content of SArr to list View
wood within list your
Custom Array Adapter
We can create custom Array Adapters by creating a model
We can creste custom Array Adapters by creating a model and a class (eg. MyAdapter) which extends Array Adapter  We can pass our strung array to MyAdapter like this:
We can pass our string array to My Adapter like this:
MyAdapter ad = new My Adapter (this, 5Axx); list Vieux Set Adapter (ad)
list Views Set Adapter (ad)

Why use List Views It will be very hectic to create a Scrollable view where data is coming from a Data Gowce I wil imagine how hectic would it be to otherwise populate data into a View to show it to the user Hence Listviews are used due to the following reasons: Vser & Developer Friendly Optimized to some extent Easy to customize Simple lists can be created in few lines of code. Adding on Click listener to items
We can override on Item Click method to add click listeners as shown below: list View get On Item Click Listener (new On Item Click Listener () { Built-in XML layouts Android provides you a list of built-in layouts used within list views Ex: android R. layout Simple list item 1 android . R. layout . Simple - list - i fem - 2 adibas

Recycler View
Its simply a better version of list Vicus In List Views - Memory is directly propotional to the number Lecycler View solves this problem by recycling the existing views hence saving up on memory We simply update the Adapter in Recycler View to an Adapter which is rapable of Recycling the Views List Views V& Recycler Views old Views > User keeps scrolling which adds
Views & hence more memory is consumed Scroll New View List View > Views are recycled when a user scrolls resulting into Penformana scoot m Recycled m Scroll mm m mm

How to	Imblema	nt a	Read Last			
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