

## HANDWRITTEN NOTES

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1) AR - Android Package Kitfile 2) Andraid is a linux based as 3) Android is durloped for mobile phone, Jahr, etc 4) Android is based on Java, Some C& C++ libraries 5) Application Programming Interface a Android Flatures. Android is an Os developed by google for wide range of devices such as smort phone, tabs, TV, etc Features of Key aspects of Android 1) Opensource: Android is built on Opensource sinux Kernel ice it was to view & customize freely available 2) User Interface: Android provide Customizable UI to look better acc to wers Multitasking: Android support multitasking by allowing

Routiple apps to run side by side 4) Notification: Android's notification system 9 15 highly customizable & allow users 0 to receive alerts & updates 9 Security: Android has multi layer Planity including encryption regular security updates Customization: with widgets, wallpaper Updates: Google releases regular epdatos Introducing new features, uplate, etc Horage: Can be scaled up & down Fragment Lintent or fundamental concept of Android help QB to build interactive moduler android apps tragment 3 In Android, Fragment is a port of activity which represent a portion of UI on Screen. Used to build flexible & modern & proponsive OI provisions Sireen Sizes Fragment exist only into the ine eigenfale inside an activity

lypes Single, list, fragment Transaction Activity Frag Added Fragment Frag Fragment can be added, removed replaced while running ntent in Android used between diff components of applications Applications Used to trigger action Such as starting an activity, bowad casting Types-explicit, Implicit Stort activity, communicate, get Resul ex - going to Maps on click when Slanch some place intent navigate us b) wactivities in same diff application

QB Table & frame layout lable layout layout container in Android System for It is a viewogroup class used to display child view elements in rows & columns. & does not display any border lines Mrs vors, column Cell views with rows are distributed event & 10/ten defined in XML with predifined pons & columns trane Layout layout container in android for displaying a single view / layout at a time. It holds a porticulorarea of Screen that is shown on top. in z-order Used for dynamic & fluid UIS Table layout tranelayout > Grid Based Layout Overlay Layout Rons 2 cols Stacked view > Distribute child Nosuch view evenly distribution I Less Herible Change Ly namically 3 5 Used In XML >> Fixed lapout

RA Basic & Picker view Basic view Fundamental UI element used to display & interact with content Include component like Textilen Imageview, Button, Checkbox, etc These are building blocks of App Interface Pickerview Specialized of components that allow users to make selection predefined Set of options Used or selecting dates, time, number items from a list. Ex- Date Picker timelicker, etc Display & interact Selecting values & items from list with content Ex- Textview, Ex- Image Picker, mage vien TimePicker Suitable for - Ogranic U) Primarily to J To carry sclection Customizatible esto mirable

Or Android SIN STOICK Also referred to as Android S/W architedure is a layered structure that defines components & Substystems of Android US. It forms foundation for building 2 Running Android Apps. Several layers one - Linux Kernel Conest level Hardwore Abstraction Layer (h/w specific) > - Native Libraries - Android Runtine Android Francook - Applications App Framework Ob Database Cursor with types Referred to a program to fetch & process how's returned by a 80% statement It is essential concept to work with SQLite Cursor is an object that allows to retriere 2 manspulate data from database query result Curror allow to jerate through rowself database & access those

Types of sol somer cursions of soil Server. Managed automatically by DBMS Used in High level programming langues SELECT to feter Result. Explicit. pe of cursor that developer expiritely declare, open dole in approde in prog long that interact with database Has Manual Management smortphones, tabs, etc. Role: Location Outermination accurately proposint geographicalloc GPS powered apps such as Googl

9	
9	Dole / / Pope File.
2	Fage Flo.
0	provide realtime location of devices.
0	
	to define virtual boundaries somes
1	to define virtual pour acries
0	4) location tracking
9	4) location tracking only, assets, etc.
10	
	1) weather forecasting andition moisture
	measure ashosphoric condition, noisture
	18C 2003 AD THE SIDE
	Q8 Persisting data
-	Process of storing & preserving Structured data in Solite database on a device's
-	Storage typically within an andewid
1-3-	application.
5	
3	It is the date that he don't want to loose even if he restant the app.
3	even if we restart the opposite
3	Stored in non volatile memory &
3	remain intact when trued of until
3	grenviten.
2	Common ways.
2	Shared Prefrences, Weal Darabase
1	, file System!
2	
Frh 2	cath a man pount i
110	TO TODAY CO ON STATE OF THE PARTY OF THE PAR