Category	Subcategory	Topics	6+ yrs
Programming	Java	Variables & DataTypes	Y
		Operator's & Loop's	Υ
		OOP's concepts	Υ
		1) Object & Class	Υ
		2) Inheritance	Υ
		3) Polymorphism	Υ
		4) Abstraction	Υ
		5) Encapsulation	Υ
		Methods & Constructors	Υ
		static, this, final, super Keyword	Υ
		Interfaces	Υ
		String class and its functions	Y
		Collections(Array, List, Map, Set)	Υ
		Exception Handling	Υ
		Thread Management(Multi- Threading)	Υ
	kotlin	val, var, lateinit & lazy initialization	Y
		Features of Kotlin	Υ
		DataTypes, Operators & Loops	Υ
		Null Safety	Υ
		Functions & Constructors	Υ
		1) Higher Order Function	Υ
		2) Inline Function	Υ
		3) Kotlin Lambdas	Υ

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		4) Kotlin Extension Function	Υ
		Data Class & Sealed Class	Υ
		String class and its extenstion functions	Υ
		Interfaces	Υ
		Collections(Array, List, Map, Set)	Υ
		Exception Handling	Υ
		Coroutine	Υ
Android studio	IDE overview		Υ
	Project structure		Υ
Android components	Activity	Lifecycle	Υ
		Task & Backstack	Υ
	Services		Υ
	Broadcast receivers		Υ
	Content Providers		Υ
	Intent	Explicit & implicit intent	Υ
		Intent Filters	Υ
	UI	LinearLayout & RelativeLayout	Υ
		ConstraintLayout	Υ
		CoordinatorLayout	Υ
		MotionLayout	Υ

Custom Ui Views	Canvas	Υ
	Bitmap	Υ
	Paint	Y
UI resources	Drawables	Υ
	Strings	Υ
	Styles	Υ
Fragment	Lifecycle	Υ
	Backstack	Υ
Build	Gradle	Υ
	Debug/ Release configuratiin	Y
	Flavours	Υ
Threading	Thread	Y
	Handler/Looper	Υ
	ThreadPoolExecutor	Υ
Debugging	Memory profiling	Υ
	Logging	Υ
	Systrace	Υ
	Exceptions	Υ

		Υ
	Error Handling	·
	Detecting and Fixing Memory	Υ
Memory leak	Leaks	ľ
	Context	Υ
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Third Party Libra	ries Image Loading	Υ
	Glide	Υ
	Picasso	Υ
	Fresco	Υ
	Coil	Υ
	Universal Image Loader	Υ
Coroutine	coroutines	Υ
	suspend	Υ
	launch,async-await, withContext	Υ
	dispacthers	Υ
	scope,context,job	Υ
	lifecycleScope, viewModelScope, GlobalScope	Υ
	suspendCoroutine, suspendCancellableCoroutine	Υ
	coroutineScope, supervisorScope	Υ
Kotlin Flow AP	Flow Builder, Operator, Collector	Υ
	flowOn, dispatchers	Υ
	Operators such as filter, map, zip, flatMapConcat, retry,	Υ

		Terminal Operators	Υ
		Cold Flow vs Hot Flow	Υ
		StateFlow, SharedFlow, Callback Flow,	Υ
		ChannelFlow	
	Data formats	Json	Υ
		Gson	Υ
		Protocol Buffer	Υ
		Flat Buffer	Υ
	Networking	GET/POST/DELETE/PUT/PATCH	Υ
		OKhttp, Interceptor	Υ
		Caching	Υ
		Retrofit with Coroutines/Flow	Υ
		Multipart Request	Υ
		Read, Write Timeout	Υ
		OAuth 2.0 - Refresh and Access Token	Υ
		HTTP Status Codes	Υ
Android jetpack	1 -Foundation components	AppCompat	Υ
		Android KTX	Υ
		Multidex	Υ
	2 -Architecture components	LiveData	Υ
		View Model	Υ

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	DataBinding	Υ
	Paging	Y
	Work Manager	Υ
	Navigation	Υ
3 -Behaviour Components	Download Manager	Υ
	Media Playback	Y
	Notification	Υ
	Permissions	Υ
	Preference	Υ
	Sharing	Υ
	Slice	Υ
4 - UI Component	Animation & Transition	Υ
	Android Auto	Υ
	Emoji	Y
	Palette	Υ
	Android TV	Υ
	Android Wear	Υ
Compose	State: remember, rememberSaveable,	Υ
	Recomposition	Υ
	State hoisting	Υ
	Side-effects	Y
	Modifier	Y

		Theme	Υ
		Layout, List	Υ
			Υ
		Gestures, Animation	Υ
		CompositionLocal	•
	Common Design	_	
Common	Patterns	Builder Pattern	Υ
		Singleton	Υ
		Dependency Injection	Υ
		Factory	Υ
		Observer	Υ
		Repository	Υ
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	Architecture	MVC	Υ
	1	MVP	Υ
		MVVM	Υ
		MVI	Υ
		Clean	Υ
	Unit Testing	Local Unit Testing	Υ
		Instrumentation Testing	Υ
	firebase	FCM	Y
		Crashlytics	Υ
		Analytics	Υ
		Remote Config	Υ
		App Indexing	Υ
		Dynamic Link	Υ
		Authentication(Google,	Υ
		Facebook)	

Security	Encrypt/Decrypt	Υ
	Proguard	Υ
	R8	Υ
App releases	.Keystore File	Y
	App Bundle	Υ
	Playstore	Y

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