Plan-1

| No | Module | Docs | Topic | Details | Horus |
|----|---------------|--------------|------------------------------|---|-------|
| 1 | | Done | Overview | | |
| 2 | | Done | Environment Setup | | |
| 3 | | Done | Linux Ubuntu setup | | |
| 3 | | Done | First Programme | | |
| 5 | | Done | Architecture | | |
| 6 | | Done | Basic Types | Data Types, Type Conversion, Variables, Operators, Comments | |
| | | Done | Coding Convention | Naming Rules, Formatting, Doc Comments, Avoid Redundunt constructs, Coding Convention for Libraries | |
| 7 | | Done | Input / Output | | |
| 8 | | Done | Control Flow | if, if-else, when, for, while, do-while, return, break, continue | |
| 9 | | Done | Functions | Kotlin Functions, Recursive Functions, Default & Named Arg, Kotlin Lamdas, Higher Order Functions, Inline Functions | |
| 10 | | Done | Array | | |
| 11 | | Done | String | | |
| 12 | | Done | Null Safety | | |
| | Kotlin Basics | Done | Type Aliases | | |
| 13 | | Done | Exception Handling | Kotlin Try Catch Multiple Catch Block Nested Try Block Kotlin Finally Block Kotlin Throw Keyword | |
| 14 | | Done | Collections | Collection Overview, Constructing Collection, Mutable Array Kotlin ArrayList Kotlin Collections List Operations, Set Operations, Map Operations Sequences Iterators Transformations Filtering Grouping, Retriving Collection Parts, Retriving Single Elements, Ordering, Plus – Minus Operations, Aggregate Operations, | |
| 15 | | Done Done | Class & Objects Constructors | Class, Object, Nested Class, Inner Class, Inline Classes | |
| 10 | | Dolle | Constituctors | | |

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| 17 | | Done | Inheritance | Inheritance, Abstract Class | |
|----|--------------------|------|--------------------------------|--|--|
| 18 | | Done | Interface | | |
| 19 | | Done | Visibility Control | | |
| 20 | | Done | Extension Function | | |
| 21 | | Done | Data Classes | | |
| 22 | IZ - 415 - | Done | Sealed Classes | | |
| 23 | Kotlin | Done | Generics | | |
| 24 | Object Oriented | Done | Delegation | | |
| 25 | Official | Done | Destructuring and Declarations | Destructuring and Declarations, Type Checks and Casts 'this' expressions, Equality, OperatorOverloading, | |
| 26 | | Done | Ranges | Integer Type Range, Kotlin Working Range, Kotlin Utility Function | |
| 27 | | Done | Regex | Regex Expression Regex Pattern | |
| | | Done | Annotation & Reflection | -3- | |
| | | 200 | | kart.com/kotlin-android-tutorial/ | |
| | | | | | |
| 28 | | Done | Installing Android Studio | Steps, Configure, First App – Hello World Getting Started | |
| 29 | | Done | TextView, Edit Text | | |
| 30 | | Done | Toast | | |
| 31 | | Done | Button | | |
| 32 | | Done | Custom Toast | | |
| 33 | | Done | Intent | Explicit Implicit | |
| 34 | | Done | ListView | https://www.tutorialkart.com/kotlin- android/kotlin-android-listview- example/ | |
| 35 | | Done | Alert Dialog | | |
| 36 | | Open | Context Menu | | |
| 37 | | Open | Custom ListView | | |
| - | otlin with Androi | | Option Menu | | |
| 39 | | Open | Popup Menu | | |
| 40 | | Done | WebView | | |
| 41 | | Done | SeekBar | | |
| 42 | | Open | TabLayout with FrameLay | | |
| 43 | | Open | TabLayout with ViewPage | r | |
| 44 | | Open | Dom Parser | | |
| 45 | | Open | SAX Parser | | |
| 46 | | Open | XMLPullParser | | |
| 47 | | Open | JSON Parsing using URL | | |
| 48 | | Open | Android Media Player | | |
| 49 | | Open | External Storage | | |
| 50 | | Open | Internal Storage | | |
| 51 | | Open | SharedPreferences | | |
| 52 | | Open | SQLite | | |

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| 53 | Open | Android Notification | |
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| 54 | Open | Google reCAPTCHA | |
| 55 | Open | Authenticaion – Google Login | ٦ |

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Plan-2

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| 1 | | Done | Overview | |
| 2 | | Done | Environment Setup | |
| 3 | | Done | Linux Ubuntu setup | |
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| | | | Class, Object, |
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| 15 | Done | Class & Objects | Nested Class, |
| 13 | Done | Class & Objects | Inner Class, |
| | | | Inline Classes |
| 16 | Done | Constructors | |
| | | | Inheritance, |
| 17 | Done | Inheritance | Abstract Class |
| 10 | Dono | Interface | / Notified Glass |
| 18 | Done | | |
| 19 | Done | Visibility Control | |
| 20 | Done | Extension Function | |
| 21 | Done | Data Classes | |
| 22 Kotlin | Done | Sealed Classes | |
| 23 Object | Done | Generics | |
| 24 Oriented | Done | Delegation | |
| 24 Offerfied | Done | Delegation | |
| 25 | Done | Destructuring and Declarations | Destructuring and Declarations, Type Checks and Casts 'this' expressions, Equality, OperatorOverloading, |
| | | | Integer Type Range, |
| 26 | Done | Ranges | Kotlin Working Range, |
| | 200 | 13.1900 | Kotlin Utility Function |
| | | | - |
| 27 | Done | Regex | Regex Expression Regex Pattern |
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| | Done | Annotation & Reflection | |
| | Done | | ırt.com/kotlin-android-tutorial/ |
| 28 | Done | | Steps, Configure, First App – Hello World Getting Started |
| 28 | | https://www.tutorialka | Steps, Configure, First App – Hello World |
| | Done | https://www.tutorialka | Steps, Configure, First App – Hello World |
| 29 | Done Done | https://www.tutorialka | Steps, Configure, First App – Hello World |
| 29 30 31 | Done Done Done Done | Installing Android Studio TextView, Edit Text Toast Button | Steps, Configure, First App – Hello World |
| 29 | Done Done | Installing Android Studio TextView, Edit Text Toast | Steps, Configure, First App – Hello World Getting Started Explicit |
| 29 30 31 32 | Done Done Done Done Done | Installing Android Studio TextView, Edit Text Toast Button Custom Toast | Steps, Configure, First App – Hello World Getting Started |
| 29 30 31 32 33 | Done Done Done Done Done Done | Installing Android Studio TextView, Edit Text Toast Button Custom Toast Intent | Steps, Configure, First App – Hello World Getting Started Explicit Implicit https://www.tutorialkart.com/kotlin-android/kotlin-android-listview- |
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| 29 30 31 32 33 34 35 36 | Done | Installing Android Studio TextView, Edit Text Toast Button Custom Toast Intent ListView Alert Dialog Context Menu | Steps, Configure, First App – Hello World Getting Started Explicit Implicit https://www.tutorialkart.com/kotlin-android/kotlin-android-listview- |
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| 44 | Open | Dom Parser | |
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| 45 | Open | SAX Parser | |
| 46 | Open | XMLPullParser | |
| 47 | Open | JSON Parsing using URL | |
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| 49 | Open | External Storage | |
| 50 | Open | Internal Storage | |
| 51 | Open | SharedPreferences | |
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| 54 | Open | Google reCAPTCHA | Advanced Topic |
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