

 V Tech Labs



אנדרואיד



UNIT - 1

- JAVA Concepts
- OOPs Concepts
- Inheritance in detail
- Exception handling
- Packages & interfaces
- JVM & .jar file extension
- Multi threading

UNIT - 3

- Introduction to Android
- What is Android?
- Setting up development environment
- Dalvik Virtual Machine & .apk file extension
- Fundamentals
- Basic Building blocks
- UI Components - Views & notifications
- Components for communication
- Android API levels

UNIT - 2

- SQL
- DML & DDL Queries in brief

UNIT - 4

- Application Structure
- AndroidManifest.xml
- Uses-permission & uses-sdk
- Resources & R.java
- Assets
- Layouts & Drawable
- Resources
- Activities and Activity lifecycle
- First sample Application

UNIT - 5

- Emulator-Android Virtual Device
- Launching emulator
- Editing emulator settings
- Emulator shortcuts
- Logcat usage
- Introduction to DDMS
- Second App:-
(switching between activities)
- Develop an app for demonstrating

UNIT - 7

- Preferences
- Shared Preferences
- Preferences from xml
- Examples

UNIT - 6

- Basic UI design
- Form widgets
- Text Fields
- Layouts
- [dip, dp, sip, sp] versus px
- Examples

UNIT - 8

- Menu
- Option menu
- Context menu
- Sub menu
- Menu via code
- Menu from xml
- Examples

UNIT - 9

- Intents (in detail)
- Explicit Intents
- Implicit intents
- Examples

UNIT - 10

- UI design
- Time and Date
- Images and media
- Composite
- Alert Dialogs & Toast
- Popup
- Examples

UNIT - 11

- Tabs and Tab Activity
- Examples

UNIT - 12

- Styles & Themes
- styles.xml
- Drawable resources for shapes, gradients (selectors)
- Style attribute in layout file
- Applying themes via code and manifest file
- Examples

UNIT - 13

- Content Providers
- SQLite Programming
- SQLiteOpenHelper
- SQLite Database
- Room Database
- Cursor
- Reading and updating Contacts
- Reading bookmarks
- Develop an App to demonstrate database usage
- CRUD operations must be implemented
- Final details should be viewed in GridView as well as in ListView

UNIT - 14

- Android Debug Bridge (adb) tool

UNIT - 15

- Linkify
- Web URLs, Email address, text, map address, phone numbers
- MatchFilter & TransformFilter
- Examples

UNIT - 16

- Preferences
- Shared Preferences
- Preferences from xml
- Examples

UNIT - 17

- Notifications
- Broadcast Receivers
- Services and notifications
- Toast
- Alarms
- Examples

UNIT - 18

- Custom components
- Custom Tabs
- Custom animated popup panels
- Other components
- Examples

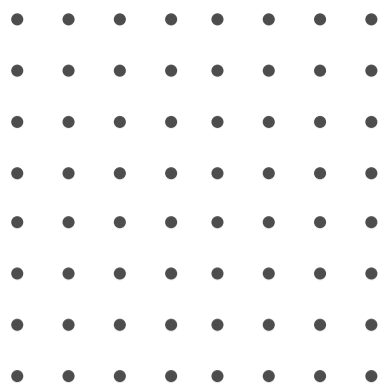
UNIT - 19

- Threads
- Threads running on
- UI thread (runOnUiThread)
- Worker thread
- Handlers & Runnable
- AsyncTask (in detail)
- Examples

UNIT - 20

- Advanced
- Live Folders
- Using sdcards
- XML Parsing
- JSON Parsing
- Maps, GPS, Location based Services
- Accessing Phone services (Call, SMS, MMS)
- Network connectivityservices
- Sensors





GET IN TOUCH WITH US

Address

702, Ivory Terrace, Opp. Circuit House
R. C. Dutt Road, Vadodara - 07
Gujarat - India

Email

alok@webmyne.com

Phone

+91 94276 02525

