

1.Introduction to Android and iOS pen testing

2.Mobile Platform Architecture

3.Android Components

4. Android File System

5. Android Data Storage

6.ROOTING Android Device

7.JAILBREAK iOS Device

8.Setting up virtual LAB

- a.Genymotion
- b. Mobile Testing Operating System
- c.Nox player

9.Setting up your Hacking Environment

- a.Burpsuite Configuration with iOS and Android
- b.Platform Tools
- c.ADB
- d.Frida server

10.Static Analysis of the Android and iOS Applications

- a.Decompile the Apps (.apk & .ipa)
- b.MobSF
- c.APK Tool
- d.D-GUI
- e.Jadx
- f.Script
- g. online automation tools
- h. Report for static testing only
- i. Dalvik
- j. smali
- k. webviews

- l. Application signing verification
- m. Android Manifest XML
- n. firebase configuration
- o. Encryption Mechanism
- p. logcat
- q. drozer
- r. Hot Patching
- s. Introduction to info.plist
- t. Hardcoded Credentials
- u. ios keychain

9. Dynamic Analysis of the Android and iOS Applications

- a. Setting up lab
- b. ADB
- C. Frida Objection
- d. Frida codeshare
- e. bypass root detection and jailbreak detection in the App
- f. bypass ssl pinning in .apk and .ipa
- g. fingerprint bypass

11. OWASP TOP 10 and Practical of OWASP TOP 10 Vulnerabilities

- Session
- IDOR
- Payment Gateways
- OTP bypass
- No rate limiting
- API Calls
- PII Data Leaks
- Source Code Analysis for Hidden info in Burp

- Insecure Communication
- Insecure Data Storage
- Authentication & Authorization

11.Report Writing and Mitigation/Recommendation

Bonus:-

1. Practical on Live apps from play store and Appstore
2. How to add your mobile testing skills for bug bounty world, earn money as a freelancer
3. Data- tools, pdf notes, videos etc.