

# Lab 06 Environment Setup

1. Install Ubuntu or Kali Linux virtual machines.
  - a. Download Ubuntu from <https://ubuntu.com/download/desktop>
  - b. Or Kali Linux installer image from <https://www.kali.org/get-kali/#kali-installer-images>
  - c. Or Kali Linux pre-built VM image from <https://www.kali.org/get-kali/#kali-virtual-machines>
2. If you are using Apple Silicon Chip or you cannot install a virtual machine, you can use Replit (<https://replit.com/~>) and create a new bash environment.
3. In your Linux machine, install *radare2*. Use one of the following ways:
  - a. Using apt:
    - i. *sudo apt - get update*
    - ii. *sudo apt-get upgrade*
  - b. Or from the main repo:
    - i. *git clone https://github.com/radareorg/radare2*
    - ii. *radare2/sys/install.sh*
4. Install OpenSSL
  - a. *sudo apt - get install openssl*
5. Install John the Ripper tool (it is pre-installed in Kali Linux):
  - a. *sudo apt - get install john - y*
6. Download all the lab files (TASK01 – TASK05) from the github repo (<https://github.com/OmarAlmighty/FCI-Computer-Security/tree/main/Lab06>) and save them in your Linux environment .