1. Download and Install UFW

```
(admin_red⊗ kali)-[~]
$ sudo apt-get install ufw
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
ufw is already the newest version (0.36.1-4).
0 upgraded, 0 newly installed, 0 to remove and 926 not upgraded.
```

2. Enable and check UFW Status

```
(admin_red® kali)-[~]
$ sudo ufw enable
Firewall is active and enabled on system startup

(admin_red® kali)-[~]
$ ufw status
ERROR: You need to be root to run this script

(admin_red® kali)-[~]
$ sudo ufw status
Status: active

(admin_red® kali)-[~]
$ sudo ufw status verbose
Status: active
Logging: on (low)
Default: deny (incoming), allow (outgoing), disabled (routed)
New profiles: skip
```

3. Create Default Deny all incoming/allow outgoing rules, check to confirm

```
(admin_red@kali)-[~]
$ sudo ufw default deny incoming
Default incoming policy changed to 'deny'
(be sure to update your rules accordingly)

(admin_red@kali)-[~]
$ sudo ufw default allow outgoing
Default outgoing policy changed to 'allow'
(be sure to update your rules accordingly)

(admin_red@kali)-[~]
$ sudo ufw status verbose
Status: active
Logging: on (low)
Default: deny (incoming), allow (outgoing), disabled (routed)
New profiles: skip
```

4. Create a rule to SSH between specific IP using TCP

```
(admin_red⊗ kali)-[~]
$ sudo ufw allow from 10.0.3.15 to any port 22 proto tcp
Rule added

(admin_red⊗ kali)-[~]
$ sudo ufw status verbose
Status: active
Logging: on (low)
Default: deny (incoming), allow (outgoing), disabled (routed)
New profiles: skip

To
Action
Action
ALLOW IN 10.0.3.15
```

5. Create Rules for http/https access, check/view rule list