NETWORK RESEARCH

Installing the relevant apps. code

```
function inst()
    #install ssh
    sudo apt-get install openssh-client
    #install nipe
    checknipe=$(cd nipe|grep -w no)
    if [ ! -z $checknipe ]
    then
        git clone https://github.com/htrgouvea/nipe && cd nipe
        sudo cpan install Try::Tiny Config::Simple JSON
        perl nipe.pl install
        echo "You have nipe installed"
    #install sshpass
    sudo apt-get install sshpass
    #install nmap
    sudo apt-get install nmap
    clear
```

Testing out the code

```
Before we get started, let us check if we have the relevant applications first
[sudo] password for kali:
Reading package lists... Done
Building dependency tree ... Done
Reading state information... Done openssh-client is already the newest version (1:9.0p1-1).
The following packages were automatically installed and are no longer required:
fonts-roboto-slab libllvm12 python3-ipaddr python3-singledispatch python3-twisted-bin
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 232 not upgraded.
You have nipe installed
Reading package lists... Done
Building dependency tree ... Done
Reading state information... Done sshpass is already the newest version (1.09-1+b1).
The following packages were automatically installed and are no longer required:
  fonts-roboto-slab libllvm12 python3-ipaddr python3-singledispatch python3-twisted-bin
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 232 not upgraded.
Reading package lists... Done
Building dependency tree ... Done
Reading state information ... Done
nmap is already the newest version (7.92+dfsg2-1kali1).
The following packages were automatically installed and are no longer required:
 fonts-roboto-slab libllvm12 python3-ipaddr python3-singledispatch python3-twisted-bin
Use 'sudo apt autoremove' to remove them.
O upgraded, O newly installed, O to remove and 232 not upgraded.
```

2. Checking if the connection is anonymous

a) Checking the country (code)

```
function countrycheck()
        #check if the connection is from your origin country
ip=$(curl -s ifconfig.io)
        ip-s(curt -s irconing.10)
country=(curt -s https://ipinfo.io/$ip|grep -w country|awk '{print $2}'|tr -d '[:punct:]')
echo "Is $country your origin country? (y/n)"
        read input
if [ $input == "y" ]
        echo "Please go anonymous before continuing"
elif [ $input == "n" ]
        then
           echo "You are anonymous. Please proceed."
        else
            echo "Please try again"
        fi
b) Checking if the user is anonymous (code)
    function anon()
          #check if the connection is anonymous
          cd /home/kali/nipe
          stat check=$(sudo perl nipe.pl status|grep -w activated)
          if [ ! -z "$stat check" ]
          then
                echo "You are anonymous."
          else
                echo "Getting anonymity.Please wait"
          fi
    }
    Testing the code out
     Is SG your origin country? (y/n)
     Please go anonymous before continuing
     Getting anonymity.Please wait
     Is DE your origin country? (y/n)
```

3. Connect to a VPS and execute scans.

Code

```
function vps()
{
    #connect to a vps via sshpass
   echo "Enter IP address to whois/nmap:"
   read ipadd
   #run nmap/whois on VPS
   sshpass -p 1 ssh ky@165.232.134.47 "nmap $ipadd > nmap.txt;whois $ipadd > whois.txt"
   #viewing the results
   sshpass -p 1 ssh ky@165.232.134.47 "cat nmap.txt"
   echo "press enter to view the whois result"
    sshpass -p 1 ssh ky@165.232.134.47 "cat whois.txt"
function vps()
    #connect to a vps via sshpass
    echo "Enter IP address to whois/nmap:"
    read ipadd
    sshpass -p 1 ssh ky@165.232.134.47 "nmap $ipadd > nmap.txt;whois $ipadd > whois.txt"
    sshpass -p 1 ssh ky@165.232.134.47 "cat nmap.txt;cat whois.txt"
}
```

Testing it out