

VULNERABILITY SCANNING TOOL

```
python
```

```
Import socket
```

```
target =input("Enter the target IP address or hostname:")
```

```
port_range=range(1,1025)
```

```
def scan_port(target,port):
```

```
try:
```

```
    s=socket. so
```

```
cket(socket.AF_INET,socket. SOCK_STREAM)
```

```
    s .settimeout(1)
```

```
    s.connect((target,port))
```

```
    print (f"port{port} is open")
```

```
    s.close()
```

```
except:
```

```
    Pass
```

```
for port in port_range:
```

```
    scan_port(target, port)
```