Port scanner

```bash
#!/bin/bash

port=$1

for i in "$port"
do
    if nc -zv localhost "$i"
    then
        echo "the port number "$i" is open"
    else
        echo "the port number "$i" is closed"
    fi
done



#-z tells nc to scan without sending any data.
#v makes nc run in "verbose" mode, providing details about the connection attempt.
#ocalhost specifies that the scan will be done on the local machine.
```

```
[root@dev adhamscripts]# vim port-scanner.sh
[root@dev adhamscripts]# chmod +x port-scanner.sh
[root@dev adhamscripts]# ./port-scanner.sh 22
Ncat: Version 7.92 ( https://nmap.org/ncat )
Ncat: Connected to ::1:22.
Ncat: 0 bytes sent, 0 bytes received in 0.03 seconds.
the port number 22 is open
[root@dev adhamscripts]#
[root@dev adhamscripts]# ./port-scanner.sh 443
Ncat: Version 7.92 ( https://nmap.org/ncat )
Ncat: Connection to ::1 failed: Connection refused.
Ncat: Trying next address...
Ncat: Connection refused.
the port number 443 is closed
[root@dev adhamscripts]#
```