Develop a basic port scanner to check if particular ports are open or closed for an input remote host.

1 .importing socket and creating a socket

```
import socket
connect = socket.socket( )
```

2 . creating function that used to connect to server
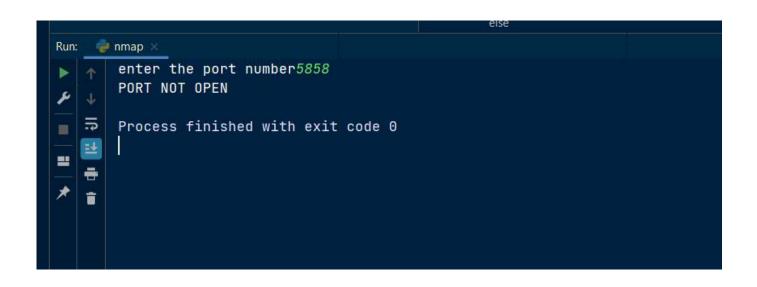
```
def scanner(HOST, PORT):
    try:
        connect.connect(HOST, PORT)
        #if connection is sucessful return true else false
        return True
    except:
        return False
```

3. input the server's name and port number

```
server = input("Enter the server name\t")
PORT = input("enter the port number\t")

if not scanner(server, PORT):
    print('PORT NOT OPEN')
    # printing accordingly
else:
```

Saved successfully! ✕

Output

else

Run: nmap ×

enter the port number5858
PORT NOT OPEN

Process finished with exit code 0

Saved successfully!   ×   ● ×