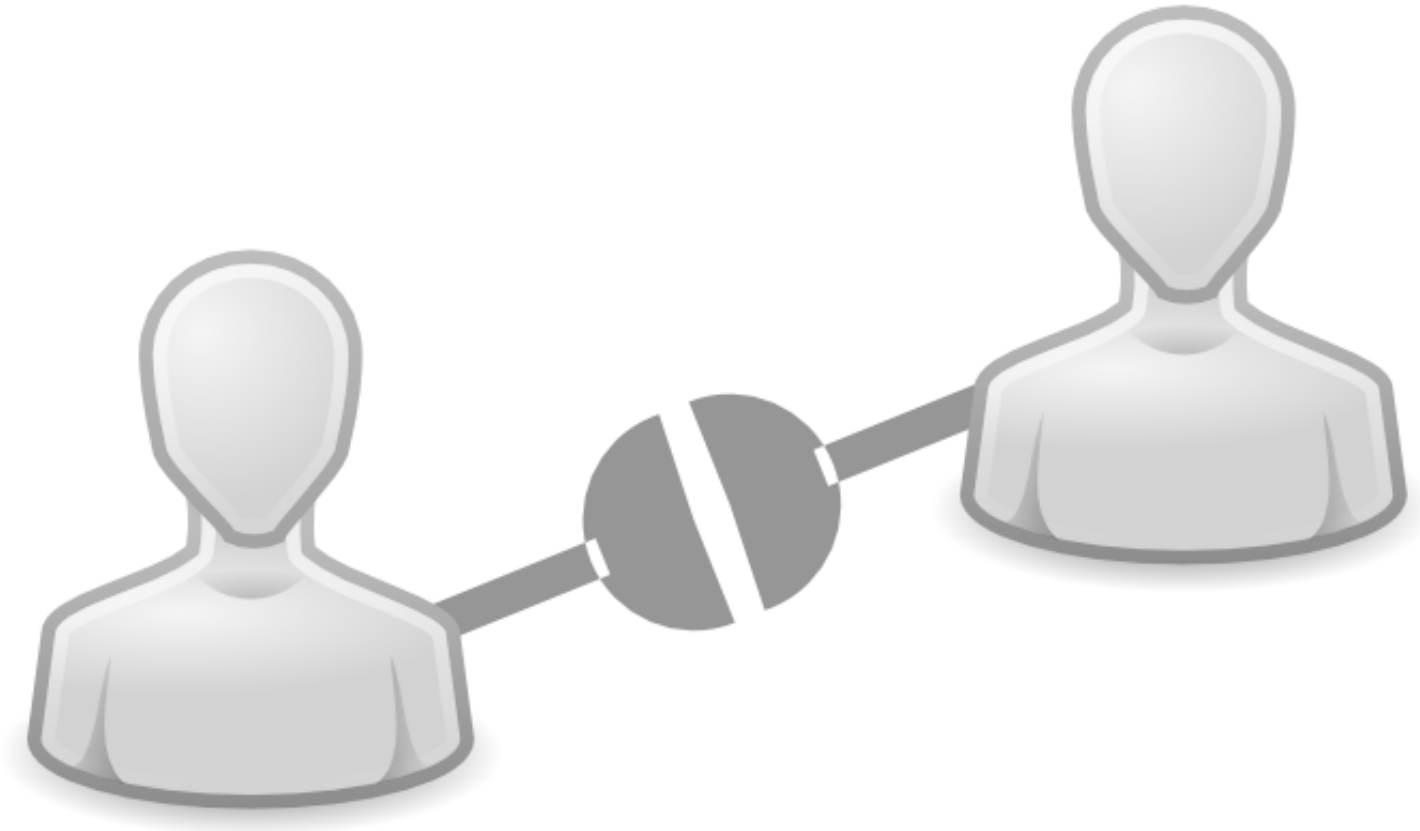
Challenge 1 – sending a message

working with python sockets



#1
connect up
to a partner

(a real one ;)

Client

Server

#2
decide who 's server and who's cient

Server

Client

#2
open two
new sockets

```
~$ python3
>>> import socket
>>> ss=socket.socket()
>>> cs=socket.socket()
```

Server

Client

#3
bind the server socket

```
>>> ss.bind(("",portnumber))
```

be creative, 30000's good

Server

Client

#4
listen ...

```
>>> ss.listen(1)
```

now its clients turn...

Server

#5
connect to server

Client

```
>>> cs.connect(('server-ip',portnumber))
```

Server

#6

accept connection

Client

```
>>> s1,host = ss.accept()
```

Server

#7
send
and recieve

Client

```
>>> cs.send(b'Hallo!')
```

```
>>> s1.recv(100)
```

Server

#7 recieving endlessly

Client

```
>>> while 1:
...     s1.recv(100)
```

```
>>> cs.send(b'Hallo!')
>>> cs.send(b'Spam')
>>> cs.send(b'lol')
```