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CSCI 351 HW 3

Part 1: packets are dropped, corrupted, and reordered in this example

```
PS C:\Users\finn\csci351\hw3> python sender.py
9000/9050/53/65018/0/0/default
9000/9050/53/65007/1/0/1t_pa
9000/9050/53/65017/2/0/cket_
9000/9050/52/65125/3/0/data
0 0
sending packet 0
sending packet 1
sending packet 2
got packet 1: 1
0 3
resending packet 0
resending packet 2
got packet 0: 1
got packet 2: 1
got packet 2: 1
got packet 2: 1
3 3
sending packet 3
got packet 3: 1
all packets sent and acked
PS C:\Users\finn\csci351\hw3>

PS C:\Users\finn\csci351\hw3> python network.py
got packet 0 from sender
forwarding packet 0
got packet 1 from sender
forwarding packet 1
got packet 2 from sender
forwarding packet 2
got ack 0 from receiver
dropping packet 0
got ack 1 from receiver
forwarding packet 1
got ack 2 from receiver
dropping packet 2
got packet 0 from sender
forwarding packet 0
got packet 2 from sender
forwarding packet 2
got ack 0 from receiver
forwarding packet 0
got ack 2 from receiver
forwarding corrupt packet 2
got ack 2 from receiver
forwarding packet 2
got ack 3 from receiver
forwarding corrupt packet 2
got packet 3 from sender
forwarding packet 3
got ack 3 from receiver
forwarding packet 3
[]

PS C:\Users\finn\csci351\hw3> python receiver.py
got packet 0
9000/9050/48/65535/0/1/
sent ack 0
got packet 1
9000/9050/48/65535/1/1/
sent ack 1
got packet 2
9000/9050/48/65535/2/1/
sent ack 2
9000/9050/48/65535/0/1/
sent ack 0
9000/9050/48/65535/2/1/
sent ack 2
9000/9050/48/65535/2/1/
sent ack 2
9000/9050/48/65535/2/1/
sent ack 2
got packet 3
9000/9050/48/65535/3/1/
sent ack 3
[]
```

Part 2: 'local' file and server file are the same

```
hw3 > file.txt
1 hello bro
2

PS C:\Users\finn\csci351\hw3> python client.py file.txt
8050/8000/53/65003/0/0/hello
8050/8000/53/65170/1/0/ bro
8050/8000/51/65317/2/0/EOF
0 0
sending packet 0
sending packet 1
sending packet 2
got packet 0: 1
got packet 1: 1
got packet 2: 1
all packets sent and acked
PS C:\Users\finn\csci351\hw3>

hw3 > server_file.txt
1 hello bro
2

PS C:\Users\finn\csci351\hw3> python server.py
hello
got packet 0
8000/8050/48/65535/0/1/
sent ack 0
bro
got packet 1
8000/8050/48/65535/1/1/
sent ack 1
EOF
writing to file
8000/8050/48/65535/2/1/
sent ack 2
[]
```