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Command Prompt - IoTProjectServer.py 127.0.0.1 12000
Color Length: 0
Color String:
Cannot find Lightbulb, or Lightbulb is broken
Sending Request to 127.0.0.1, 1200
Action number: 1
Message ID: 58
Color Length: 0
Color String:
Cannot find Lightbulb, or Lightbulb is broken

C:\Users\Valbertiang\Documents\cs356 programs>IoTProjectClient.py 127.0.0.1 12000 1 red
Sending Request to 127.0.0.1, 12000
Action number: 1
Message ID: 58
Color Length: 3
Color String: red
received
Receive data from 127.0.0.1, 12000
Message ID: 11
Return code: 0
Action number: 0
Color Length: 3
Power: True
Color: red
Response: OK

C:\Users\Valbertiang\Documents\cs356 programs>IoTProjectClient.py 127.0.0.1 12000 2 red
Sending Request to 127.0.0.1, 12000
Action number: 2
Message ID: 74
Color Length: 3
Color String: red
received
Receive data from 127.0.0.1, 12000
Message ID: 74
Return code: 0
Action number: 0
Color Length: 3
Power: True
Color: red
Response: OK

C:\Users\Valbertiang\Documents\cs356 programs>IoTProjectClient.py 127.0.0.1 12000 2 black
Sending Request to 127.0.0.1, 12000
Action number: 2
Message ID: 53
Color Length: 5
Color String: black
received
Receive data from 127.0.0.1, 12000
Message ID: 53
Return code: 1
Action number: 0
Color Length: 5
Power: True
Color: black
Response: color not supported

C:\Users\Valbertiang\Documents\cs356 programs>
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```
Command Prompt - IoTProjectServer.py 127.0.0.1 12000
turn on
change color
red
Sending data to client 127.0.0.1, 50077
Receive data from client 127.0.0.1, 50256
red
turn on
change color
red
OK
Sending data to client 127.0.0.1, 50256
Receive data from client 127.0.0.1, 51070
turn on
change color
red
OK
Sending data to client 127.0.0.1, 51070
Receive data from client 127.0.0.1, 51072
red
turn off
OK
Sending data to client 127.0.0.1, 51072
Receive data from client 127.0.0.1, 64571
red
turn off
OK
Sending data to client 127.0.0.1, 64571
^C
C:\Users\Valbertiang\Documents\cs356 programs>IoTProjectServer.py 127.0.0.1 12000
The server is ready to receive on port: 12000

C:\Users\Valbertiang\Documents\cs356 programs>IoTProjectServer.py 127.0.0.1 12000
^C
Receive data from client 127.0.0.1, 51167
white
turn on
change color
red
Sending data to client 127.0.0.1, 51167
Receive data from client 127.0.0.1, 55527
turn on
change color
red
Sending data to client 127.0.0.1, 50527
Receive data from client 127.0.0.1, 49979
red
change color
color not supported
Sending data to client 127.0.0.1, 49979
```

```
C:\Users\AlbertWang\Documents\cs356 programs>IoTProjectClient.py 127.0.0.1 12000 3
Sending Request to 127.0.0.1, 12000
Received Message: 3
Message ID: 54
Color Length: 0
Color String:
Received
Message ID: 54
Return code: 1
Action number: 0
Color Length: 0
Color: True
Response: Status: on, Color: red

C:\Users\AlbertWang\Documents\cs356 programs>IoTProjectClient.py 127.0.0.1 12000 4
Sending Request to 127.0.0.1, 12000
Message ID: 55
Color Length: 0
Color String:
Received
Message ID: 55
Return code: 0
Action number: 0
Color Length: 0
Power: False
Color:
Response: OK

C:\Users\AlbertWang\Documents\cs356 programs>

Command Prompt - IoTProjectServer.py 127.0.0.1 12000
Receive data from client 127.0.0.1, 49797
red
Sending data to client 127.0.0.1, 49797
Receive data from client 127.0.0.1, 51838
red
turn off
Sending data to client 127.0.0.1, 51838
```