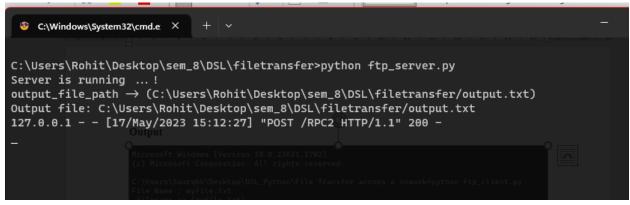
```
# Name : Rohit Telgote
# PRN: 1941054
# Batch: B2
# Aim: Implement RPC mechanism for a file transfer across a network.
Program
ftp client.py
import os
import sys
import xmlrpc.client
#Put your server IP here
url = 'http://{}:{}'.format("192.168.1.9", 8000)
###server proxy = xmlrpclib.Server(url)
client server proxy = xmlrpc.client.ServerProxy(url)
curDir = os.path.dirname(os.path.realpath( file ))
filename = input("File Name : ")
fpn = curDir + '/' + filename
print(' filename -> ({})'.format(filename))
print('fpn -> ({})'.format(fpn))
if not os.path.exists(fpn):
  print('Missing file -> ({})'.format(fpn))
  print("Transfer Unsuccessfull")
  sys.exit(1)
```

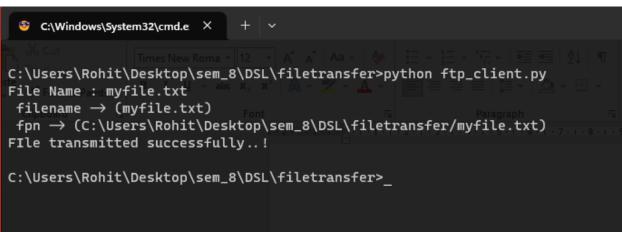
with open(fpn, "rb") as handle:

```
binary\ data = xmlrpc.client.Binary(handle.read())
  client server proxy.server receive file(binary data, filename)
  print("FIle transmitted successfully..!")
ftp_server.py
from xmlrpc.server import SimpleXMLRPCServer
import os
# Put in your server IP here
server = SimpleXMLRPCServer(("192.168.1.9",8000))
def server receive file(arg, filename):
  curDir = os.path.dirname(os.path.realpath( file ))
  output file path = curDir + '/' + 'output.txt'
  print('output file path -> ({})'.format(output file path))
  with open(output file path, "wb") as handle:
     handle.write(arg.data)
     print('Output file: {}'.format(output file path))
     return True
```

```
server.register_function(server_receive_file, 'server_receive_file')
print('Server is running ...!')
server.serve_forever()
```

Output





Name	Date modified	Туре	Size
file_transfer_across_network_RPC	17-05-2023 03:07 PM	Microsoft Word D	83 KB
ftp_client	17-05-2023 03:11 PM	Python Source File	1 KB
ftp_server	17-05-2023 03:11 PM	Python Source File	1 KB
myfile	17-05-2023 03:07 PM	Text Document	1 KB
output	17-05-2023 03:12 PM	Text Document	1 KB