

## Code:

### File1:Server.py

```
DC_1 > 📄 RPC_Server.py > ...
1  from xmlrpc.server import SimpleXMLRPCServer
2  import math
3
4  def compute_factorial(n):
5      if n < 0:
6          return "Factorial not defined for negative numbers"
7      return math.factorial(n)
8  server = SimpleXMLRPCServer(("localhost", 8000), allow_none=True)
9  print("RPC Server is running...")
10
11  server.register_function(compute_factorial, "factorial")
12
13  server.serve_forever()
14
```

Output after running server code:

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS  COMMENTS  Python: RPC_Server + - [ ] [ ] ... ^ X

PS C:\Users\pansa\Practicls\BE\CL-3> & C:/Users/pansa/AppData/Local/Programs/Python/Python312/python.exe c:/Use
rs/pansa/Practicls/BE/CL-3/DC_1/RPC_Server.py
RPC Server is running...
█
```

### File2: Client.py:

```
DC_1 > 📄 RPC_Client.py > ...
1  import xmlrpc.client
2  server = xmlrpc.client.ServerProxy("http://localhost:8000/")
3  num = int(input("Enter an integer: "))
4  result = server.factorial(num)
5
6  print(f"Factorial of {num} is: {result}")
7
8
```

Output after running client.py

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS

```
PS C:\Users\pansa\Practicls\BE\CL-3> & C:/Users/pansa/AppData/Local/Programs/Python/Python312/python.exe c:/Users/pansa/Practicls/BE/CL-3/DC_1/RPC_Client.py
Enter an integer: 2
Factorial of 2 is: 2
PS C:\Users\pansa\Practicls\BE\CL-3> |
```