


Code:

File 1:concat_server.py

```
DC_2 >  concat_server.py > ...
1  import Pyro4
2  @Pyro4.expose
3  class ConcatService:
4      def concatenate(self, str1, str2):
5          return str1 + str2
6  def start_server():
7      daemon = Pyro4.Daemon()
8      ns = Pyro4.locateNS()
9      uri = daemon.register(ConcatService)
10     ns.register("concat.service", uri)
11     print("Server is running...")
12     daemon.requestLoop()
13 if __name__ == "__main__":
14     start_server()
15
```

Before running the server file run pyro4 name server:

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS  COMMENTS


PS C:\Users\pansa\Practicls\BE\CL-3> pyro4-ns
Not starting broadcast server for localhost.
NS running on localhost:9090 (127.0.0.1)
Warning: HMAC key not set. Anyone can connect to this server!
URI = PYRO:Pyro.NameServer@localhost:9090
█
```

Output:

```
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_2/concat_server.py
Server is running...
█
```

File 2:concat_client.py

```
DC_2 >  concat_client.py > ...  
1  import Pyro4  
2  concat_service = Pyro4.Proxy("PYRONAME:concat.service")  
3  str1 = input("Enter first string: ")  
4  str2 = input("Enter second string: ")  
5  result = concat_service.concatenate(str1, str2)  
6  print("Concatenated String:", result)  
7  |
```

Output:

```
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_2/concat_client.py  
Enter first string: hello  
Enter second string: world  
Concatenated String: helloworld  
PS C:\Users\pansa\Practicls\BE\CL-3> |
```