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**Practical No. 02 -** Design a distributed application using RMI for remote computation where client submits two strings to the server and server returns the concatenation of the given strings.

**Client.py**

import Pyro4

# Get the server object using its URI

uri = input("Enter the server URI : ")

string\_concatenator = Pyro4.Proxy(uri)

# Get inputs string from the user

str1 = input("Enter first string : ")

str2 = input("Enter second string : ")

# Call the remote method on the server

result = string\_concatenator.concatenate(str1, str2)

print("Concatenated String : ", result)

**Server.py**

import Pyro4

@Pyro4.expose

class StringConcatenator(object):

    def concatenate(self, str1, str2):

        return str1 + " " + str2

    # Register the StringConcatenator class as a Pyro Object

daemon = Pyro4.Daemon()

uri = daemon.register(StringConcatenator)

print("Server URI : ", uri)

# Start the server

daemon.requestLoop()

**Output**

Server URI : PYRO:obj\_31377b2204a3424c9387ea0f95898854@localhost:63048

Enter the server URI : PYRO:obj\_31377b2204a3424c9387ea0f95898854@localhost:63048

Enter first string : Hello

Enter second string : World

Concatenated String : Hello World