**EX.NO:11C**
**DATE:06.10.2024**

## REMOTE PROCEDURE CALL FOR SORTING ARRAY OF ELEMENTS - XML RPC

**AIM:**
To implement remote procedure call for Sorting Array of Elements

**PROGRAM:**

**server.py**
```
from xmlrpc.server import SimpleXMLRPCServer
def sort_array(array):
    return sorted(array)
server = SimpleXMLRPCServer(("localhost", 8000))
print("XML-RPC server running on port 8000...")
server.register_function(sort_array, "sort_array")
server.serve_forever()
```

**client.py**
```
import xmlrpc.client
proxy = xmlrpc.client.ServerProxy("http://localhost:8000/")
user_input = input("Enter a list of integers separated by spaces: ")
array = []
for item in user_input.split():
    array.append(int(item))
sorted_array = proxy.sort_array(array)
print("Sorted array:", sorted_array)
```

**OUTPUT:**



**RESULT:**
Hence, REMOTE PROCEDURE CALL FOR SORTING ARRAY OF ELEMENTS XML RPC has been executed

**CSE CYBER SECURITY**