

AIM:

To implement a simple calculator that performs basic arithmetic operation by XMLPC

PROCEDURE:

1. Setup XML-RPL core
2. Setup XML-RPL client
3. Create a python code
4. Test the calculator
5. Display

PROGRAM:

SOURCE CODE:

From xmlrpc server import simple xmlc

def add(x,y):

return x+y

def subtract(x,y):

return x-y

def multiple(x,y):

return x*y

def divide(x,y):

if y==0

server.register_function(add, "add");

server.register_function(sub, "subtract");

server.register_function(mul, "multiply");

server.register_function(div, "division");

client code:

```
import xmlrpc.  
proxy = xmlrpc.client.serverproxy("http://  
localhost:8000/")  
print("Simple calculator (XML-RPC)")  
print("Operation: add, subtract, mult, divide")  
print("Type exit, to quit")  
while True:  
    op = input("\n Enter Operations:")  
    if op == 'exit':  
        break  
    if op not in ['add', 'subtract', 'multiply',  
                  'divide']:  
        print('Invalid Operation')  
    try:  
        x = float  
        y = float  
    except value error:  
        print('Invalid Number!')  
        continue  
    result = getall(proxy, op)(x, y)  
    print(f'Result: {result}')
```

RESULT:

Thus the implementation of a simple calculator using XML-RPC in py done.

Input :

Enter choice (1-4): 3

Number 1: 12

Number: 4

Output :

result: 48.0