Experiment_1_RPC

1. Rpc_server.py

```python
from xmlrpc.server import SimpleXMLRPCServer

def add(x,y):
        return x+y
def subtract(x,y):
        return x-y
def multiply(x,y):
        return x*y
def divide(x,y):
        return x//y

port = 8000
server = SimpleXMLRPCServer(("localhost",port))
print(f"listening at {port} port")

server.register_function(add , "add")
server.register_function(subtract , "subtract")
server.register_function(multiply , "multiply")
server.register_function(divide , "divide")

server.serve_forever()
```

2. Rpc_server.py

```python
import xmlrpc.client

x = int(input("Enter First Number"))
y = int(input("Enter Second Number"))
with xmlrpc.client.ServerProxy("http://localhost:8000/") as proxy:
        print(f"{x} + {y} is {proxy.add(x,y)}")
```

Output


```
pi@raspberrypi:~/Desktop/DC/Experiment_1_RPC $ python3 rpc_server.py
listening at 8000 port
127.0.0.1 - - [28/Mar/2020 20:49:18] "POST / HTTP/1.1" 200 -
```



```
pi@raspberrypi:~/Desktop/DC/Experiment_1_RPC $ python3 rpc_client.py
Enter First Number10
Enter Second Number20
10 + 20 is 30
pi@raspberrypi:~/Desktop/DC/Experiment_1_RPC $
```