

"SECURE" COMMUNICATION BETWEEN CLIENT & SERVER

-: Output Screens :-

```
Hello JAYANT NAMRANI!  
You're going to be connected to a SERVER.  
  
Enter IP Address : 127.0.0.1  
Enter the PORT Number : 1111  
  
SSL LIBRARY INITIALISED...  
CONTEXT Initialisation SUCCESSFUL!  
  
CONNECTION SUCCESSFUL!  
  
*** This session will be timed out after 60 seconds. ***  
  
Connected with ECDHE-RSA-AES256-GCM-SHA384 Encryption...  
  
Sending Message 1 'HELLO SERVER'...  
Message from Server : HELLO CLIENT  
  
Sending Message 2 'HELLO SERVER'...  
Message from Server : HELLO CLIENT  
  
Sending Message 3 'HELLO SERVER'...  
Message from Server : HELLO CLIENT  
  
Sending Message 4 'HELLO SERVER'...  
Message from Server : HELLO CLIENT  
  
Sending Message 5 'HELLO SERVER'...  
Message from Server : HELLO CLIENT  
  
Connection CLOSED!
```

CLIENT

```
Welcome, JAYANT NAMRANI!  
You're ready to accept connections from CLIENTS.  
  
Enter IP Address : 127.0.0.1  
Enter the PORT Number : 1111  
  
SSL LIBRARY INITIALISED...  
CONTEXT Initialisation SUCCESSFUL!  
SERVER's SSL CERTIFICATE LOADED SUCCESSFULLY!  
ENCRYPTION-DECRYPTION KEYS LOADED SUCCESSFULLY!  
Socket Creation SUCCESSFUL!  
LISTENING...  
Connection SUCCESSFUL!  
  
*** This session will be timed out after 60 seconds. ***  
  
Message from Client : HELLO SERVER  
Replying : HELLO CLIENT  
  
Message from Client : HELLO SERVER  
Replying : HELLO CLIENT  
  
Message from Client : HELLO SERVER  
Replying : HELLO CLIENT  
  
Message from Client : HELLO SERVER  
Replying : HELLO CLIENT  
  
Message from Client : HELLO SERVER  
Replying : HELLO CLIENT  
  
Connection CLOSED!
```

SERVER