

Browser URL through request is always a GET request .

Other Http Request Methods --- Http VERB

1. GET
2. POST
3. PUT
4. DELETE
5. HEAD
6. PATCH
7. TRACE

BACKEND - RESTFUL WEB SERVICE

WEB SERVICE ----

1. SOAP BASED Web Service
2. Restful web service

The BASIS OF WEB SERVICE = REMOTE function CALL

Two type of function calls

1. **Local method invocation** (function definition and function call are in the same process, in the same machine)
2. Remote method invocation (function definition is on the server process, function call is in the client process
The two processes may be on the same machine or different machine)

NORMAL local function call will have JUMP on function call and function return everything is in same process

Main()	f1()
{	{
1. statement	100. statement
2. statement	101. statement
3. Statement	102. statement
4. f1() --- JUMP TO 100	return JUMP to 4
5. statement	}
6. statement	
}	

Remote function call CANNOT have address JUMPING

HOW to make a function call ?

HOW to pass parameters ?

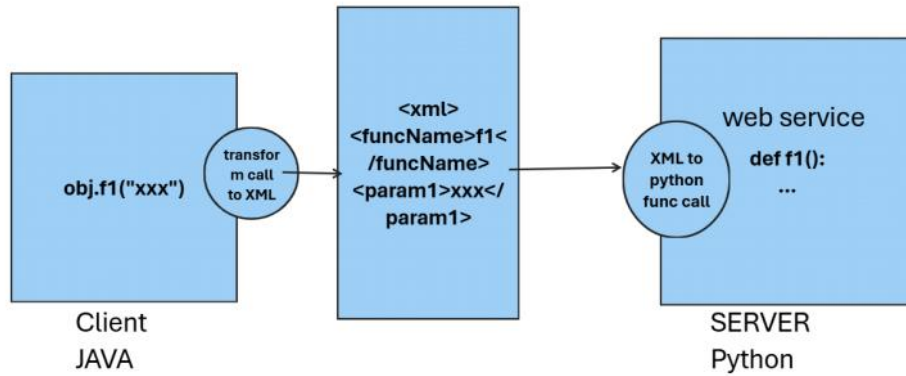
HOW to return values ?

SOME mechanism to pass the function call and parameters from CLIENT to SERVER

SOME mechanism to pass return value from SERVER to CLIENT

1. SOAP based web service ----- function calls and parameters are passed through XML files to the server side
Return values are passed through XML

XML is LANGUAGE and PLATFORM independent , SO client and server can be written in different languages !!!!

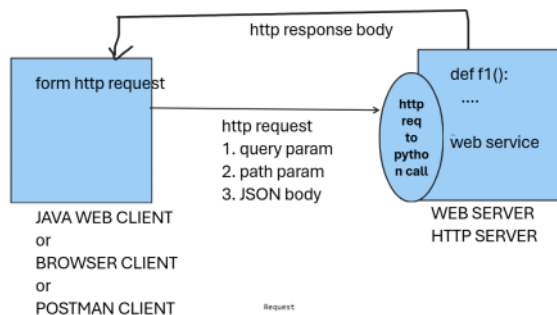


REMOTE function call
using SOAP based WEB
SERVICE

1. 2.RESTful web service ----

function calls and parameters are passed through HTTP files to the server side
Return values are passed through HTTP

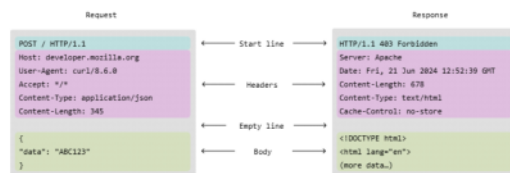
HTTP is a text based protocol so independent of all languages !!!



REST FUL WEB SERVICE

1. XML is replaced by HTTP
2. client always calls service API using http methods(GET POST PUT DELETE)

3. BACKEND MAPS different URLs and http methods to actual API functions



1. POST MAN

HW --

PROJECT

INSERT should be fired on a POST request
CHANGE /UPDATE should be fired on a PUT request
DELETE should be fired on delete request
Age, get details --- should be on GET request

TEST all the functionality from POSTMAN !!!

