Practical No. 7

Java to Python Web Service

**Q.1]** Create a Web service in Java and Consume in Python. Accept a number in Python and find the factorial of a number entered.

**Codes**

**[java]:**

@WebMethod(operationName = "getFactorial")

public String getFactorial(@WebParam(name = "num") int num) {

//TODO write your implementation code here:

int i,fact=1;

int number=num;//It is the number to calculate factorial

for(i=1;i<=number;i++){

fact=fact\*i;

}

return Integer.toString(fact);

}

**[python]:**

from zeep import Client

wsdl\_url = "http://localhost:8080/p7/MainService?WSDL"

client = Client(wsdl=wsdl\_url)

d = int(input("Enter number to calculate factorial for: "))

result = client.service.getFactorial(d)

print(f"The factorial of number {d} is:",result)

**Output:**

****