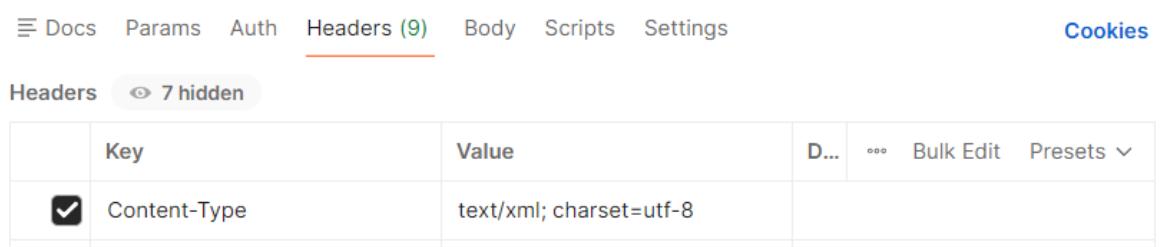


C) Testing with Postman

1) Header :



The screenshot shows the Postman interface with the 'Headers' tab selected. There is one header entry: 'Content-Type' with the value 'text/xml; charset=utf-8'. Other tabs like 'Docs', 'Params', 'Auth', 'Body', 'Scripts', and 'Settings' are visible at the top.

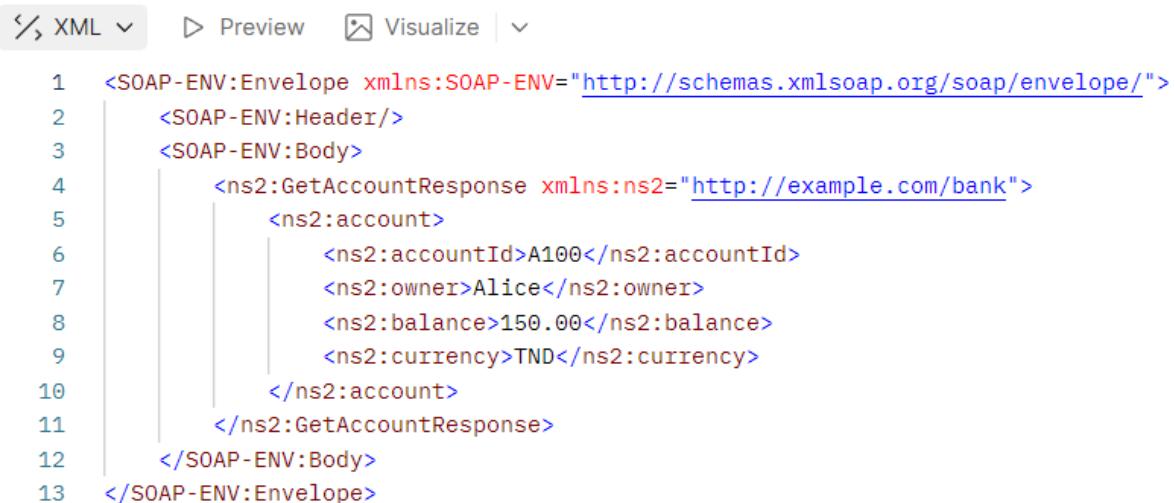
Key	Value
Content-Type	text/xml; charset=utf-8

2) GetAccount :

- Request :

```
1 <?xml version="1.0"?>
2 <?xml-stylesheet type="text/xsl" href="GetAccountRequest.xsl"?>
3 <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
4   <?xml-stylesheet type="text/xsl" href="GetAccountResponse.xsl"?>
5   <soapenv:Header>
6     <ban:GetAccountRequest>
7       <ban:accountId>A100</ban:accountId>
8     </ban:GetAccountRequest>
9   </soapenv:Header>
10  <soapenv:Body>
11    <ban:GetAccountResponse>
12      <ban:accountId>A100</ban:accountId>
13      <ban:owner>Alice</ban:owner>
14      <ban:balance>150.00</ban:balance>
15      <ban:currency>TND</ban:currency>
16    </ban:GetAccountResponse>
17  </soapenv:Body>
18</soapenv:Envelope>
```

- Response :



The screenshot shows the Postman interface with the 'XML' tab selected. The response XML is displayed, showing a SOAP envelope with a body containing a GetAccountResponse message. The message includes account details like accountId, owner, balance, and currency.

```
1 <?xml version="1.0"?>
2 <?xml-stylesheet type="text/xsl" href="GetAccountRequest.xsl"?>
3 <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
4   <?xml-stylesheet type="text/xsl" href="GetAccountResponse.xsl"?>
5   <soapenv:Header>
6     <ban:GetAccountRequest>
7       <ban:accountId>A100</ban:accountId>
8     </ban:GetAccountRequest>
9   </soapenv:Header>
10  <soapenv:Body>
11    <ban:GetAccountResponse>
12      <ban:accountId>A100</ban:accountId>
13      <ban:owner>Alice</ban:owner>
14      <ban:balance>150.00</ban:balance>
15      <ban:currency>TND</ban:currency>
16    </ban:GetAccountResponse>
17  </soapenv:Body>
18</soapenv:Envelope>
```

➤ The Response returned the full account informations :

- accountId : A100
- owner : Alice
- balance : 150.00
- currency : TND

3) Deposit :

- Request :

- Response :

Body Cookies Headers (7) Test Results | 45

XML ▾ Preview Visualize ▾

```
1 <SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
2     <SOAP-ENV:Header/>
3     <SOAP-ENV:Body>
4         <ns2:DepositResponse xmlns:ns2="http://example.com/bank">
5             <ns2:newBalance>170.00</ns2:newBalance>
6         </ns2:DepositResponse>
7     </SOAP-ENV:Body>
8 </SOAP-ENV:Envelope>
```

➤ The Response returned the new balance:

- newBalance = 170.00

4) Fault (amount = -5):

- Request :

- Response :

```

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
    <SOAP-ENV:Header/>
    <SOAP-ENV:Body>
        <SOAP-ENV:Fault>
            <faultcode>SOAP-ENV:Client</faultcode>
            <faultstring xml:lang="en">Amount must be &gt; 0</faultstring>
        </SOAP-ENV:Fault>
    </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

➤ SOAP Fault :

- faultcode : Client
- faultstring: Amount must be > 0

D) Test with Postman

1) Valid Case :

● Request :

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
    <soapenv:Body>
        <bank:CreateAccountRequest>
            <bank:accountId>C400</bank:accountId>
            <bank:owner>Aline Aloulou</bank:owner>
            <bank:balance>500.00</bank:balance>
            <bank:currency>TND</bank:currency>
        </bank:CreateAccountRequest>
    </soapenv:Body>
</soapenv:Envelope>

```

● Response :

```

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
    <SOAP-ENV:Header/>
    <SOAP-ENV:Body>
        <ns2:CreateAccountResponse xmlns:ns2="http://example.com/bank">
            <ns2:account>
                <ns2:accountId>C400</ns2:accountId>
                <ns2:owner>Aline Aloulou</ns2:owner>
                <ns2:balance>500.00</ns2:balance>
                <ns2:currency>TND</ns2:currency>
            </ns2:account>
            <ns2:message>Welcome Aline Aloulou! Your account has been created with ID: C400 and balance: 500.00 TND</ns2:message>
        </ns2:CreateAccountResponse>
    </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

2) Invalid Case 1 : Account already exists

● Request :

- Response :

Body Cookies Headers (6) Test Results | ⚙️

XML ▾ Preview Debug with AI ▾

```
1  <SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
2    <SOAP-ENV:Header/>
3    <SOAP-ENV:Body>
4      <SOAP-ENV:Fault>
5        <faultcode>SOAP-ENV:Client</faultcode>
6        <faultstring xml:lang="en">Account already exists with accountId: C400</faultstring>
7      </SOAP-ENV:Fault>
8    </SOAP-ENV:Body>
9  </SOAP-ENV:Envelope>
```

3) Invalid Case 2 : Amount <= 0

- Request :

- Response :

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header/>
  <SOAP-ENV:Body>
    <SOAP-ENV:Fault>
      <faultcode>SOAP-ENV:Client</faultcode>
      <faultstring xml:lang="en">Initial balance must be &gt;= 0</faultstring>
    </SOAP-ENV:Fault>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```