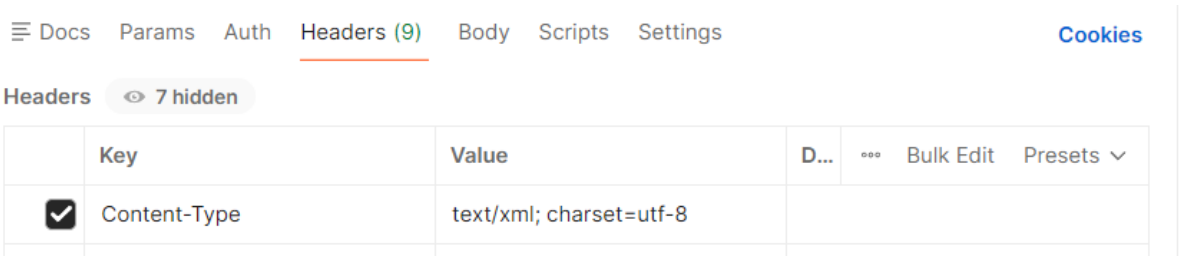
C) Testing with Postman

1) Header :



2) GetAccount :

- Request :

```xml
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
                  xmlns:ban="http://example.com/bank">
  <soapenv:Header/>
  <soapenv:Body>
    <ban:GetAccountRequest>
      <ban:accountId>A100</ban:accountId>
    </ban:GetAccountRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

- Response :

XML ▷ Preview Visualize

```xml
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
    <SOAP-ENV:Header/>
    <SOAP-ENV:Body>
        <ns2:GetAccountResponse xmlns:ns2="http://example.com/bank">
            <ns2:account>
                <ns2:accountId>A100</ns2:accountId>
                <ns2:owner>Alice</ns2:owner>
                <ns2:balance>150.00</ns2:balance>
                <ns2:currency>TND</ns2:currency>
            </ns2:account>
        </ns2:GetAccountResponse>
    </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

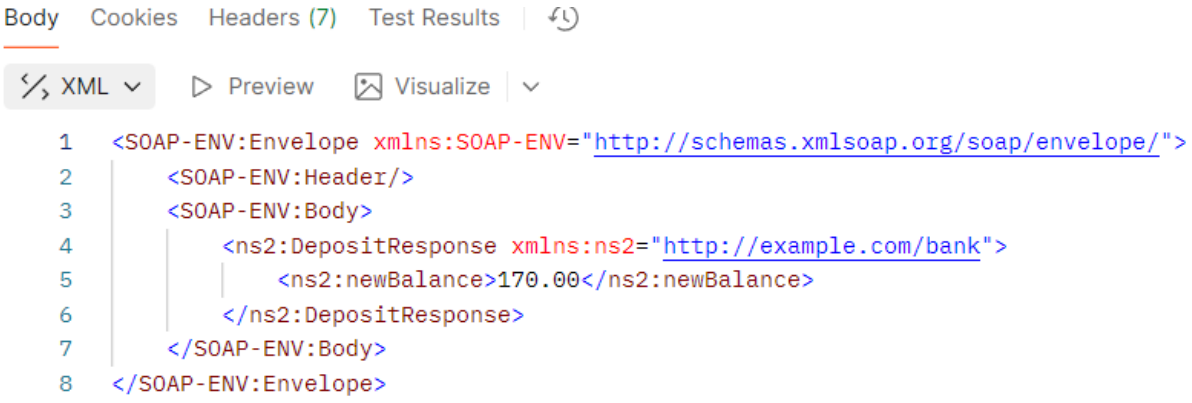
➢ The Response returned the full account informations :

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

3) Deposit :
   - Request :

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
                  xmlns:ban="http://example.com/bank">
  <soapenv:Header/>
  <soapenv:Body>
    <ban:DepositRequest>
      <ban:accountId>A100</ban:accountId>
      <ban:amount>20.00</ban:amount>
    </ban:DepositRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

   - Response :



     ➢ The Response returned the new balance :
       - newBalance = 170.00

4) Fault (amount = -5):

   - Request :

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
                  xmlns:ban="http://example.com/bank">
  <soapenv:Header/>
  <soapenv:Body>
    <ban:DepositRequest>
      <ban:accountId>A100</ban:accountId>
      <ban:amount>-5</ban:amount>
    </ban:DepositRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

   - 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/"
                  xmlns:bank="http://example.com/bank">
   <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 :

```xml
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
                  xmlns:bank="http://example.com/bank">
   <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 :

Body Cookies Headers (6) Test Results

XML Preview Debug with AI

```xml
<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">Account already exists with accountId: C400</faultstring>
      </SOAP-ENV:Fault>
   </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

3) Invalid Case 2 : Amount <= 0
   - Request :

```xml
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
                  xmlns:bank="http://example.com/bank">
   <soapenv:Body>
      <bank:CreateAccountRequest>
         <bank:accountId>D300</bank:accountId>
         <bank:owner>Mayssam</bank:owner>
         <bank:balance>-10</bank:balance>
         <bank:currency>TND</bank:currency>
      </bank:CreateAccountRequest>
   </soapenv:Body>
</soapenv:Envelope>
```

   - Response :

```xml
<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>
```