

AML Task

Task 1: To get the values of some properties of a particular item.

- INPUT

The screenshot shows the Aras Innovator web application interface. At the top, there are several tabs: 'Aras Innovator', 'localhost/InnovatorServer', and several 'aboutblank' tabs. The address bar shows the URL 'localhost/InnovatorServer/Client/X-salt=std_14.0.9.36244-X/scripts/nash.aspx#'. Below the address bar, there is a login section with fields for 'User' (admin), 'Password' (masked), and 'Database' (InnovatorSolutions). There are also options for 'Password Hash Algorithm' (MD5, SHA256) and 'TimeZone' (Eastern Standard Time). A 'Login' button is present. Below the login section, there is an 'Action' dropdown set to 'ApplyAML' and a 'Server' dropdown set to 'http://localhost/InnovatorServer/Server/InnovatorServer.aspx'. A 'Submit' button is next to the 'Server' dropdown. Below this, there is an 'XML' section with a text area containing the following XML snippet:

```
<AML>
<Item type="sg_mobile" actions="get" select="sg_customer_name">
</Item>
</AML>
```

Below the XML section, there is a 'Run time, sec: 0.104' and a 'Result: read' label. A 'ShowXML' button is next to the 'Result' label. Below this, there is a large text area containing the following XML snippet:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Body>
<Result>
<Item type="sg_mobile" typeId="04DBB5CA20B44F194E3B73C31691FD9" id="680A7E6A12E446148FE238BDF8D082D">
<id keyed_name="680A7E6A12E446148FE238BDF8D082D" type="sg_mobile">
<sg_customer_name>Ravish Chaudhari</sg_customer_name>
</Item>
<Item type="sg_mobile" typeId="04DBB5CA20B44F194E3B73C31691FD9" id="EF06A5860814723B39220E683D49AC">
<id keyed_name="EF06A5860814723B39220E683D49AC" type="sg_mobile">
<sg_customer_name>Ravish Chaudhari</sg_customer_name>
</Item>
</Result>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

- OUTPUT

The screenshot shows the Aras Innovator web application interface. At the top, there are several tabs: 'Aras Innovator', 'localhost/InnovatorServer', and several 'aboutblank' tabs. The address bar shows the URL 'localhost/InnovatorServer/Client/X-salt=std_14.0.9.36244-X/scripts/nash.aspx#'. Below the address bar, there is a login section with fields for 'User' (admin), 'Password' (masked), and 'Database' (InnovatorSolutions). There are also options for 'Password Hash Algorithm' (MD5, SHA256) and 'TimeZone' (Eastern Standard Time). A 'Login' button is present. Below the login section, there is an 'Action' dropdown set to 'ApplyAML' and a 'Server' dropdown set to 'http://localhost/InnovatorServer/Server/InnovatorServer.aspx'. A 'Submit' button is next to the 'Server' dropdown. Below this, there is an 'XML' section with a text area containing the following XML snippet:

```
<SOAP-ENV:Envelope>
<SOAP-ENV:Body>
<Result>
<Item type="sg_mobile" typeId="04DBB5CA20B44F194E3B73C31691FD9" id="680A7E6A12E446148FE238BDF8D082D">
<id keyed_name="680A7E6A12E446148FE238BDF8D082D" type="sg_mobile">
<sg_customer_name>Ravish Chaudhari</sg_customer_name>
</Item>
<Item type="sg_mobile" typeId="04DBB5CA20B44F194E3B73C31691FD9" id="EF06A5860814723B39220E683D49AC">
<id keyed_name="EF06A5860814723B39220E683D49AC" type="sg_mobile">
<sg_customer_name>Ravish Chaudhari</sg_customer_name>
</Item>
</Result>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Task 2: To edit the value of date property of a particular item.

– Before editing date

The screenshot shows the Aras Innovator web application interface. The 'Mobiles' section is active, displaying a table with the following data:

Customer Na...	Mobile Number	Customer Ad...	Model	Colour	Date [..]
Ravish Chaud...	9988776655	Singhad Road	OnePlus	Black	10/21/2030
Ravish Chaud...	9988776655	Singhad Road	OnePlus	Black	10/25/2023

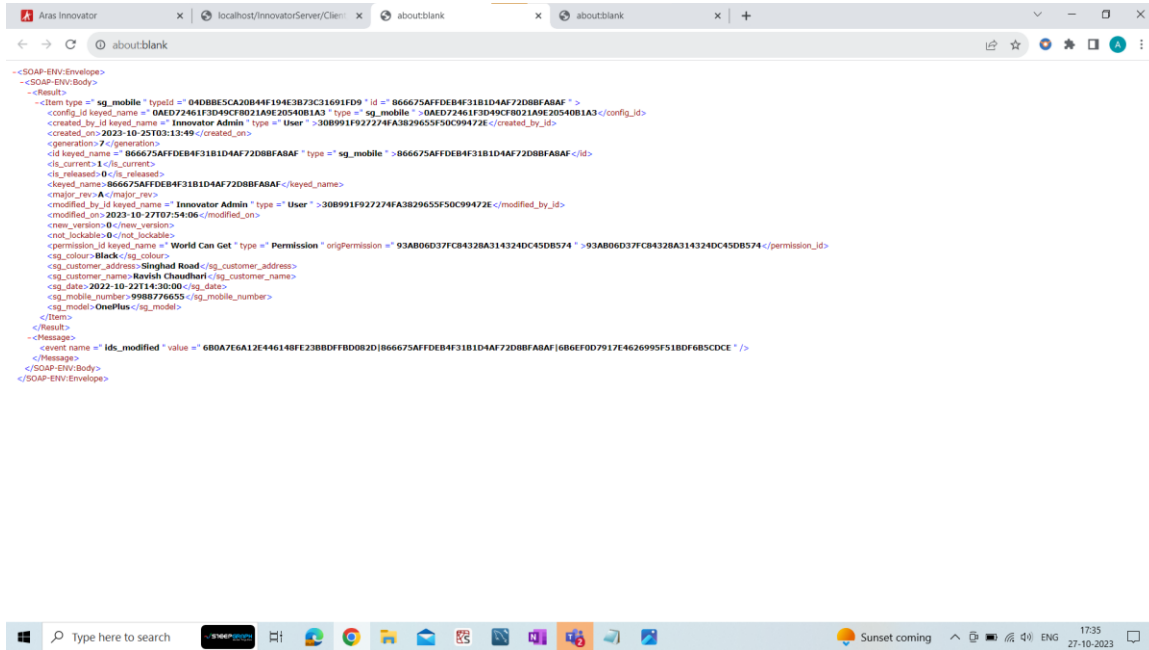
□ Query to change date

The screenshot shows the Aras Innovator web application interface for editing a mobile item. The 'Query to change date' section is active, displaying the following XML query:

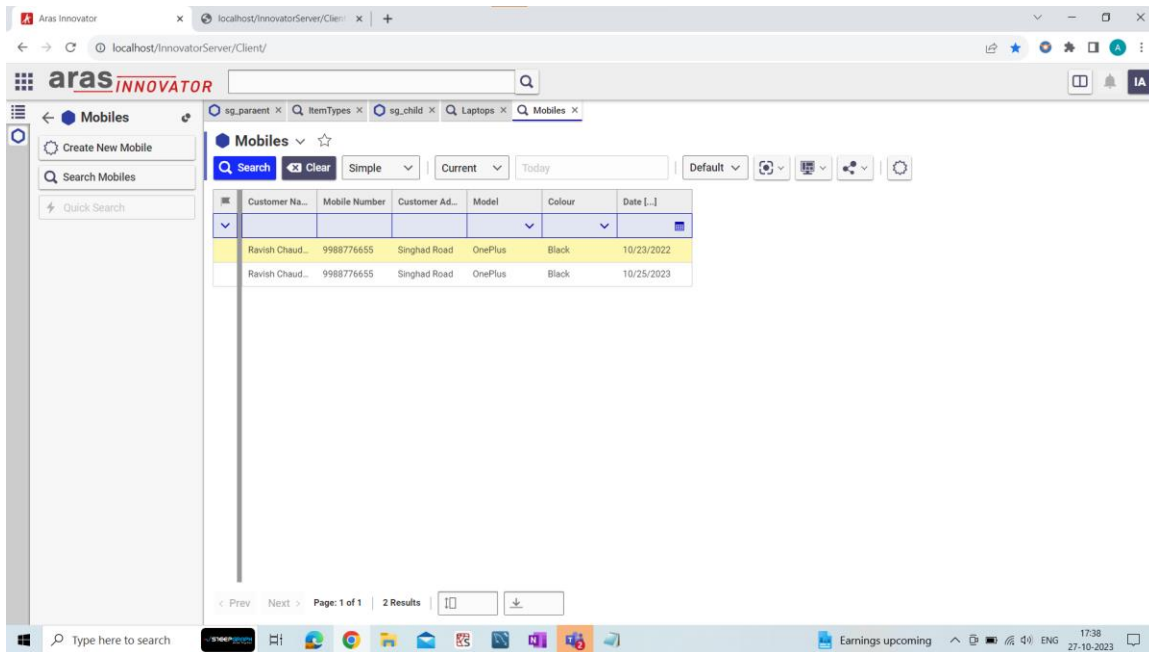
```
<AML>
  <item type="sg_mobile" action="edit" id="6B0A7E6A12E446148FE238B0FFB082D">
    <sg_date>2022-10-22T14:30:00</sg_date>
  </item>
</AML>
```

The result of the query is displayed below the XML query, showing the updated item details.

– Output of change date



– Output after changing date



Task 3: No. of relationships and their names of item type

- INPUT

Aras Innovator x localhost/InnovatorServer/Client/ X-salt=std_14.0.9.36244-X/scripts/nash.aspx

User: Password: Database:

Password Hash Algorithm: ☒ MD5 ☐ SHA256

TimeZone: Culture:

Action: Server:

Apply AML:

XML:

```
<AML>
  <Item type="ItemType" action="get" id="040BBE5CA20B44F194E3B73C31691FD9" select="Relationships">
    <Relationships>
      <Item type="RelationshipType" action="get" select="keyed_name"/>
    </Relationships>
  </Item>
</AML>
```

Run time, sec: 0.014 Result: read

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"><SOAP-ENV:Body><Result><Item
type="ItemType" typeId="450906E8E304F55A34B3C0D65C097EA" id="040BBE5CA20B44F194E3B73C31691FD9"><id
keyed_name="sg_mobile" type="Item" type="040BBE5CA20B44F194E3B73C31691FD9"><id><Relationships><Item
type="RelationshipType" typeId="471932C33B604C3099070F4106EE5024" id="1B65F8D7526C406E9BE9B8B05456E14A"><id
keyed_name="Mobile_Customer" type="RelationshipType" type="1B65F8D7526C406E9BE9B8B05456E14A"><id>
<keyed_name="Mobile_Customer" keyed_name="source_id" keyed_name="sg_mobile" type="Item" type="
name="sg_mobile">040BBE5CA20B44F194E3B73C31691FD9</source_id></Item></Relationships></Item></Result></SOAP-
ENV:Body></SOAP-ENV:Envelope>
```

- OUTPUT

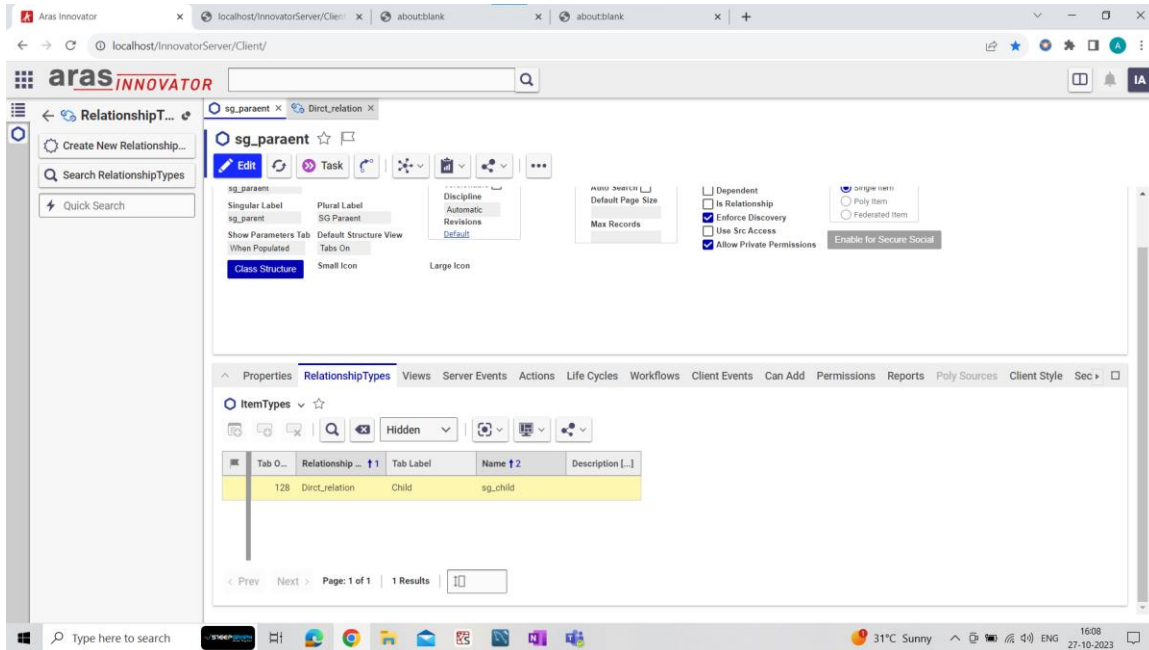
Aras Innovator x localhost/InnovatorServer/Client/ X-salt=std_14.0.9.36244-X/scripts/nash.aspx

about:blank

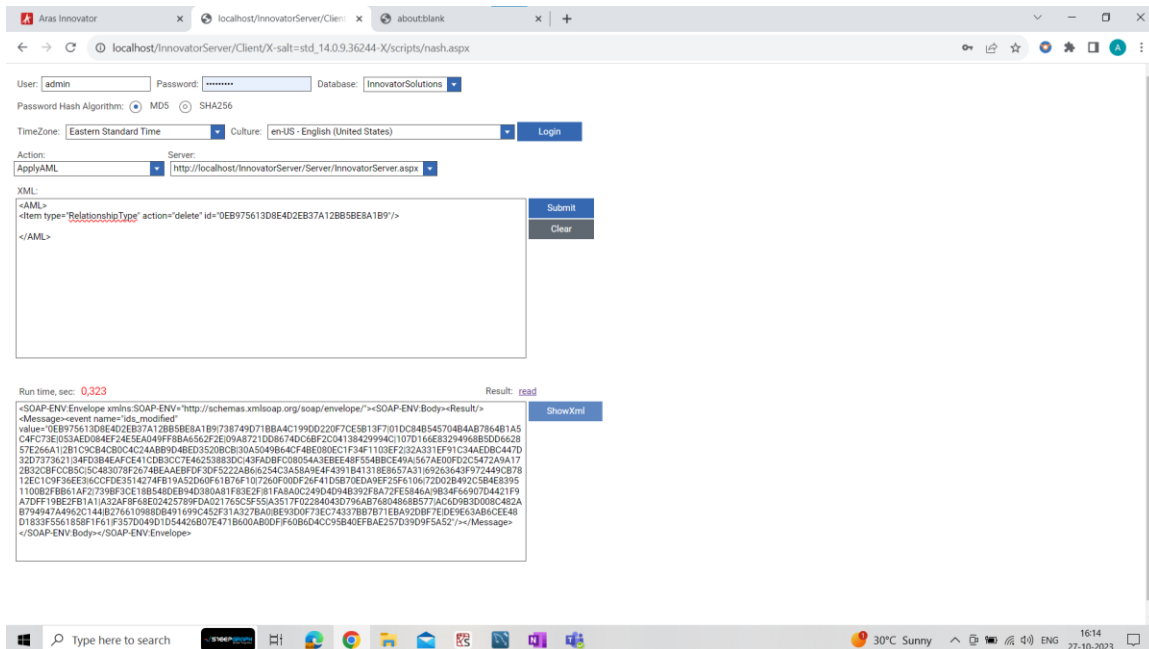
```
<SOAP-ENV:Envelope>
  <SOAP-ENV:Body>
    <Result>
      <Item type="Item" typeId="450906E8E304F55A34B3C0D65C097EA" id="040BBE5CA20B44F194E3B73C31691FD9">
        <id keyed_name="sg_mobile" type="Item" type="040BBE5CA20B44F194E3B73C31691FD9"><id>
        <Relationships>
          <Item type="RelationshipType" typeId="471932C33B604C3099070F4106EE5024" id="1B65F8D7526C406E9BE9B8B05456E14A">
            <id keyed_name="Mobile_Customer" type="RelationshipType" type="1B65F8D7526C406E9BE9B8B05456E14A"><id>
            <keyed_name="Mobile_Customer" keyed_name="source_id" keyed_name="sg_mobile" type="Item" type="
            <source_id keyed_name="sg_mobile" type="Item" type="name="sg_mobile">040BBE5CA20B44F194E3B73C31691FD9</source_id>
            </Item>
          </Relationships>
        </Item>
      </Result>
    </SOAP-ENV:Body>
  </SOAP-ENV:Envelope>
```

Task 4: Delete the relationship of item type.

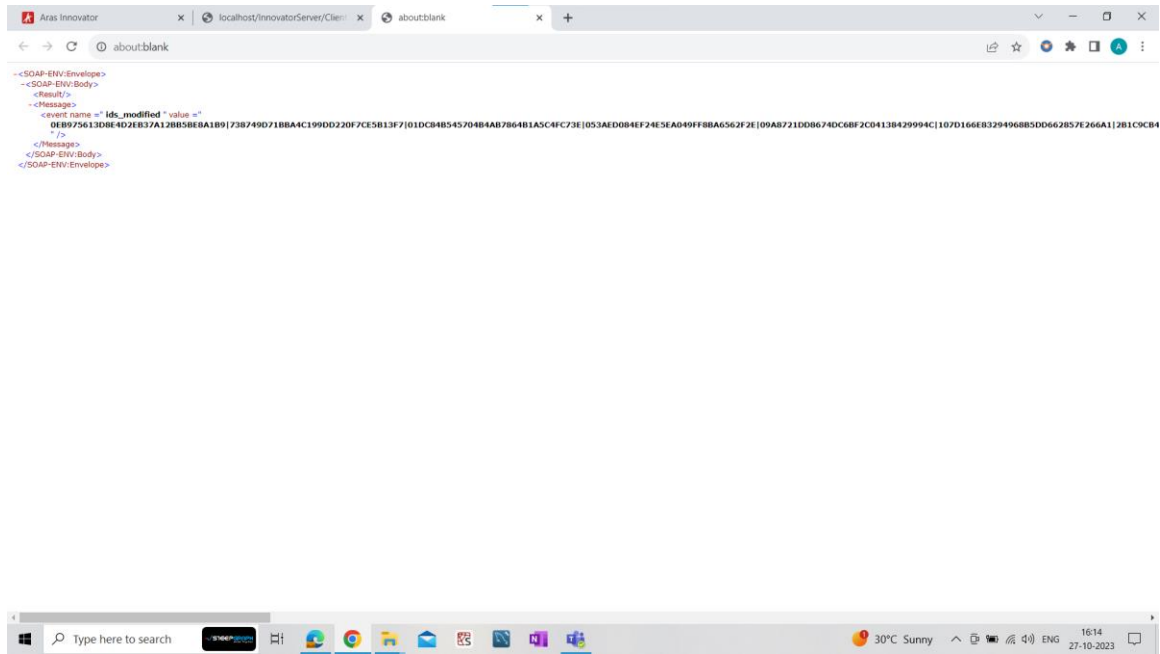
- Relationship Type



- Relationship Type delete query



- Relationship Type delete output



Task 5: Get the Permission of item type.

- INPUT

Aras Innovator

localhost/InnovatorServer/Client/X-salt=std_14.0.9.36244-X/scripts/nash.aspx

User: Password: Database:

Password Hash Algorithm: ☒ MD5 ☐ SHA256

TimeZone: Culture:

Action: Server:

XML:

```
<AML>
  <Item type="ItemType" action="get" id="FBF1773084844AD1BEF9C581FA709B85" select="Relationships">
    <Relationships>
      <Item type="Allowed Permission" action="get" select="related_id">
        <related_id action="get" select="keyed_name">
          <Item type="Permission" action="get" select="name"></Item>
        </related_id>
      </Item>
    </Relationships>
  </Item>
</AML>
```

Run time, sec: 0.265 Result: read

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <Result>
      <Item type="ItemType" typeId="450906E86E304F55A34B3C0D65C097EA" id="FBF1773084844AD1BEF9C581FA709B85">
        <keyed_name sg_motor_cycle type="ItemType" id="FBF1773084844AD1BEF9C581FA709B85">
          <Relationships>
            <Item type="Allowed Permission" typeId="DB54505FA3E9419DA3C1E1AFB7A48C1C" id="A621B53EAD944D3BBA9C8DCB12834D08" type="Allowed Permission">
              <related_id keyed_name="World Can Get" type="Permission">
                <Item type="Permission" typeId="C6A89FDE1294451497801DF78341B473" id="93AB06D37FC84328A314324DC450B574">
                  <keyed_name "World Can Get" type="Permission">93AB06D37FC84328A314324DC450B574</id>
                  <name "World Can Get"></name>
                </Item>
              </related_id>
            </Item>
          </Relationships>
        </Item>
      </Result>
    </SOAP-ENV:Body>
  </SOAP-ENV:Envelope>
```

- OUTPUT

Aras Innovator

localhost/InnovatorServer/Client/X-salt=std_14.0.9.36244-X/scripts/nash.aspx

about:blank

```
<SOAP-ENV:Envelope>
  <SOAP-ENV:Body>
    <Result>
      <Item type="ItemType" typeId="450906E86E304F55A34B3C0D65C097EA" id="FBF1773084844AD1BEF9C581FA709B85">
        <keyed_name sg_motor_cycle type="ItemType" id="FBF1773084844AD1BEF9C581FA709B85">
          <Relationships>
            <Item type="Allowed Permission" typeId="DB54505FA3E9419DA3C1E1AFB7A48C1C" id="A621B53EAD944D3BBA9C8DCB12834D08" type="Allowed Permission">
              <related_id keyed_name="World Can Get" type="Permission">
                <Item type="Permission" typeId="C6A89FDE1294451497801DF78341B473" id="93AB06D37FC84328A314324DC450B574">
                  <keyed_name "World Can Get" type="Permission">93AB06D37FC84328A314324DC450B574</id>
                  <name "World Can Get"></name>
                </Item>
              </related_id>
            </Item>
          </Relationships>
        </Item>
      </Result>
    </SOAP-ENV:Body>
  </SOAP-ENV:Envelope>
```