

Punto 1

```
<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  targetNamespace="http://www.banca.it"
  xmlns="http://www.banca.it" />

<xsd:element name="banca">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="conto" maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="conto">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="num_conto" type="xsd:unsignedInt"/>
      <xsd:element name="agenzia" type="xsd:string"/>
      <xsd:element name="saldo" type="xsd:unsignedInt"/>
      <xsd:element ref="cliente"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:complexType name="ClienteType">
  <xsd:sequence>
    <xsd:element name="nome" type="xsd:string"/>
    <xsd:element name="cognome" type="xsd:string"/>
    <xsd:element name="via" type="xsd:string"/>
    <xsd:element name="città" type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:element name="cliente" type="ClienteType"/>

</xsd:schema>
```

Punto 2

```
<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  targetNamespace="http://www.banca.it"
  xmlns="http://www.banca.it" />

<xsd:element name="banca">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="città" maxOccurs="unbounded"/>
      <xsd:element ref="agenzia" maxOccurs="unbounded"/>
      <xsd:element ref="cliente" maxOccurs="unbounded"/>
      <xsd:element ref="conto" maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="città">
  <xsd:complexType>
    <xsd:simpleContent>
      <xsd:extension base="xsd:string">
        <xsd:attribute name="ct_id"
          type="xsd:ID" use="required"/>
      </xsd:extension>
    </xsd:simpleContent>
  </xsd:complexType>
</xsd:element>

<xsd:element name="agenzia" />
  <xsd:complexType>
    <xsd:simpleContent>
      <xsd:extension base="xsd:string">
        <xsd:attribute name="ag_id"
          type="xsd:ID" use="required"/>
      </xsd:extension>
    </xsd:simpleContent>
  </xsd:complexType>
</xsd:element>
```

```

<xsd:complexType name="ClienteType">
  <xsd:sequence>
    <xsd:element name="nome" type="xsd:string"/>
    <xsd:element name="cognome" type="xsd:string"/>
    <xsd:element name="via" type="xsd:string"/>
    <xsd:element name="città_cliente">
      <xsd:complexType>
        <xsd:attribute name="città_id"
          type="xsd:IDREF" use="required"/>
      </xsd:complexType>
    </xsd:element>
  </xsd:sequence>
  <xsd:attribute name="cl_id"
    type="xsd:ID" use="required"/>
</xsd:complexType>

<xsd:element name="cliente" type="ClienteType"/>

<xsd:element name="conto">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="num_conto" type="xsd:unsignedInt"/>
      <xsd:element name="saldo" type="xsd:unsignedInt"/>
      <xsd:element name="agenzia_conto">
        <xsd:complexType>
          <xsd:attribute name="agenzia_id"
            type="xsd:IDREF" use="required"/>
        </xsd:complexType>
      </xsd:element>
    </xsd:sequence>
    <xsd:attribute name="intestatari"
      type="xsd:IDREFS" use="required"/>
    <xsd:attribute name="conto_id"
      type="xsd:ID" use="required"/>
  </xsd:complexType>
</xsd:element>

</xsd:schema>

```

NB: gli intestatari del conto potevano anche essere rappresentati come elementi vuoti con attributo di tipo xsd:IDREFS.

```
<banca>
  <città ct_id="CT1">Verona</città>

  <agenzia ag_id="AG1">Città</agenzia>
  <agenzia ag_id="AG2">Desenzano</agenzia>
  <agenzia ag_id="AG3">Negrar</agenzia>

  <cliente cl_id="CL1">
    <nome>Mario</nome>
    <cognome>Rossi</cognome>
    <via>Garibaldi</via>
    <città_cliente città_id="CT1"/>
  </cliente>
  <cliente cl_id="CL2">
    <nome>Paolo</nome>
    <cognome>Verdi</cognome>
    <via>Roma</via>
    <città_cliente città_id="CT1"/>
  </cliente>

  <conto conto_id="CC23" intestatari="CL1">
    <num_conto>101</num_conto>
    <saldo>555</saldo>
    <agenzia_conto agenzia_id="AG1"/>
  </conto>
  <conto conto_id="CC39" intestatari="CL1">
    <num_conto>1010</num_conto>
    <saldo>5550</saldo>
    <agenzia_conto agenzia_id="AG2"/>
  </conto>
  <conto conto_id="CC22" intestatari="CL2">
    <num_conto>301</num_conto>
    <saldo>1020</saldo>
    <agenzia_conto agenzia_id="AG3"/>
  </conto>
</banca>
```