book.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>

<Book ISBN="123456789">

  <Titles>Sample Book</Titles>

  <Author>John Doe</Author>

  <PublicationYear>2022</PublicationYear>

</Book>
```

Book_schema.xsd

```xml
<?xml version="1.0" encoding="UTF-8"?>

<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

  <!-- Define the complex type for the Book element -->

  <xs:element name="Book" type="BookType"/>

  <!-- Define the complex type for the Book element's structure -->

  <xs:complexType name="BookType">

    <xs:sequence>

      <xs:element name="Title" type="xs:string"/>

      <xs:element name="Author" type="xs:string"/>

      <xs:element name="PublicationYear" type="xs:gYear"/>

    </xs:sequence>

    <xs:attribute name="ISBN" type="xs:string" use="required"/>

  </xs:complexType>

</xs:schema>
```

Program_name.py

```python
from lxml import etree
# Load the XML Schema

schema_file = './book_schema.xsd'

schema = etree.XMLSchema(etree.parse(schema_file))
```

```python
# Load the XML document

xml_file = './book.xml'

xml_doc = etree.parse(xml_file)


# Validate the XML document against the schema

if schema.validate(xml_doc):

    print("Validation successful.")

else:

    print("Validation failed. Errors:")

    for error in schema.error_log:

        print(error)
```

output

_____

```
PS E:\assign_xml> py program_name.py
Validation successful.
PS E:\assign_xml> py program_name.py
Validation failed. Errors:
./book.xml:5:0:ERROR:SCHEMASV:SCHEMAV_ELEMENT_CONTENT: Element 'Titles': This element is not expec
PS E:\assign_xml> []
```