

QUESTION NO. 1

You are tasked with designing an XML structure to catalog books for a library database.

1. Each book entry should include details such as the title, author(s), publication year, genre, and ISBN number.
2. Additionally, the XML should allow for optional information like the edition, publisher, and a brief description of the book.
3. Incorporate attributes for the book language .
4. Define entities for commonly used values such as the library name and its location in library tag.
5. Provide an example of at least two book entries within the XML structure to demonstrate its usage.

QUESTION NO. 2

Create dtd of following xml structure

```
<?xml version="1.0" encoding="UTF-8"?>
<breakfast_menu>
  <food>
    <name>Belgian Waffles</name>
    <price>$5.95</price>
    <description>
      Two of our famous Belgian Waffles with plenty of real maple syrup
    </description>
    <calories>650</calories>
  </food>
  <food>
    <name>Strawberry Belgian Waffles</name>
    <price>$7.95</price>
    <description>
      Light Belgian waffles covered with strawberries and whipped cream
    </description>
    <calories>900</calories>
  </food>
  <food>
    <name>Berry-Berry Belgian Waffles</name>
    <price>$8.95</price>
    <description>
      Belgian waffles covered with assorted fresh berries and whipped cream
    </description>
    <calories>900</calories>
  </food>
  <food>
    <name>French Toast</name>
```

```
<price>$4.50</price>
<description>
Thick slices made from our homemade sourdough bread
</description>
<calories>600</calories>
</food>
<food>
  <name>Homestyle Breakfast</name>
  <price>$6.95</price>
  <description>
Two eggs, bacon or sausage, toast, and our ever-popular hash browns
  </description>
  <calories>950</calories>
</food>
</breakfast_menu>
```