1. Write a simple XML document for the restaurant menu.

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

<menu>

    <food>

        <name>Biriyani</name>

        <price>Rs.150</price>

        <calories>230</calories>

    </food>

    <food>

        <name>Belgium Waffles</name>

        <price>Rs.180</price>

        <calories>200</calories>

    </food>

    <food>

        <name>French Toast</name>

        <price>Rs.80</price>

        <calories>210</calories>

    </food>

    <food>

        <name>Homestyle Breakfast</name>

        <price>Rs.100</price>

        <calories>100</calories>

    </food>

    <food>

        <name>Burger</name>

        <price>Rs.150</price>

        <calories>230</calories>

    </food>

</menu>

2. Write a simple XML document for the employee details (10 number of employee).

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

<office>

    <employee>

        <name>ABC</name>

        <age>40</age>

        <address>Odisha</address>

        <salary>10000</salary>

        <designation>Teacher</designation>

    </employee>

    <employee>

        <name>XYZ</name>

        <age>30</age>

        <address>Delhi</address>

        <salary>20000</salary>

        <designation>Lab Asst.</designation>

    </employee>

    <employee>

        <name>ABC</name>

        <age>60</age>

        <address>Pune</address>

        <salary>50000</salary>

        <designation>Asst. Lecturer</designation>

    </employee>

    <employee>

        <name>abc</name>

        <age>25</age>

        <address>Rajasthan</address>

        <salary>100000</salary>

        <designation>Water Supplier</designation>

    </employee>

    <employee>

        <name>xyz</name>

        <age>75</age>

        <address>Kerela</address>

        <salary>20000</salary>

        <designation>Tour Guide</designation>

    </employee>

    <employee>

        <name>ABC</name>

        <age>35</age>

        <address>Karnataka</address>

        <salary>30000</salary>

        <designation>Painter</designation>

    </employee>

    <employee>

        <name>xyz</name>

        <age>23</age>

        <address>Tamil Nadu</address>

        <salary>10000</salary>

        <designation>Writer</designation>

    </employee>

    <employee>

        <name>ABC</name>

        <age>20</age>

        <address>Mumbai</address>

        <salary>50000</salary>

        <designation>Photographer</designation>

    </employee>

    <employee>

        <name>XYZ</name>

        <age>15</age>

        <address>Pune</address>

        <salary>200000</salary>

        <designation>Engineer</designation>

    </employee>

    <employee>

        <name>ABC</name>

        <age>27</age>

        <address>Bangalore</address>

        <salary>40000</salary>

        <designation>SDE</designation>

    </employee>

</office>

3. Write a simple XML document for the patient details(10 no. of patients).

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

<details>

    <patient>

        <name>ABC</name>

        <age>20</age>

        <disease>Fever</disease>

        <symptoms>loss of appetite</symptoms>

    <patient>

    <patient>

        <name>XYZ</name>

        <age>30</age>

        <disease>Jaundice</disease>

        <symptoms>weight loss</symptoms>

    <patient>

    <patient>

        <name>ABC</name>

        <age>25</age>

        <disease>HIV</disease>

        <symptoms>flu-like illness</symptoms>

    <patient>

    <patient>

        <name>XYZ</name>

        <age>21</age>

        <disease>typhoid</disease>

        <symptoms>Weakness and fatigue.</symptoms>

    <patient>

    <patient>

        <name>ABC</name>

        <age>28</age>

        <disease>dysentery</disease>

        <symptoms>painful stomach cramps. feeling sick or being sick (vomiting)</symptoms>

    <patient>

    <patient>

        <name>XYZ</name>

        <age>29</age>

        <disease>malaria</disease>

        <symptoms>fever</symptoms>

    <patient>

    <patient>

        <name>ABC</name>

        <age>19</age>

        <disease>covid</disease>

        <symptoms>fever, cough, tiredness, loss of taste or smell</symptoms>

    <patient>

    <patient>

        <name>XYZ</name>

        <age>22</age>

        <disease>monkeypox</disease>

        <symptoms>rash, spots, ulcers</symptoms>

    <patient>

    <patient>

        <name>ABC</name>

        <age>26</age>

        <disease>dengue</disease>

        <symptoms>Headache,Muscle, bone or joint pain, Nausea, Vomiting.</symptoms>

    <patient>

    <patient>

        <name>XYZ</name>

        <age>24</age>

        <disease>cancer</disease>

        <symptoms>Lump or area of thickening that can be felt under the skin.</symptoms>

    <patient>

</details>

4. Write a program to implement the concept of internal and external DTD.

INTERNAL DTD:-

<!DOCTYPE company[

    <!ELEMENT company (person)>

    <!ELEMENT person (name,salary)>

    <!ELEMENT name (#PCDATA)>

    <!ELEMENT salary (#PCDATA)>

    ]>

    <company>

        <person>

        <name>Pranjal</name>

        <salary>Nill</salary>

        </person>

    </company>

EXTERNAL DTD:-

<!DOCTYPE name SYSTEM "externaldtd.dtd">

<company>

    <person>

        <name>PS

        </name>

        <age>22</age>

        <salary>nill</salary>

    </person>

</company>

5. Write a simple XML document for the student details.(10 no of students.)

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

<student>

    <details>

        <name>ABC</name>

        <age>20</age>

        <roll-no>19btcse31</roll-no>

        <course>Btech(CSE)</course>

    </details>

    <details>

        <name>XYZ</name>

        <age>19</age>

        <roll-no>19btcse21</roll-no>

        <course>Btech(EEE)</course>

    </details>

    <details>

        <name>ABC</name>

        <age>21</age>

        <roll-no>19btcse32</roll-no>

        <course>Btech(ECE)</course>

    </details>

    <details>

        <name>XYZ</name>

        <age>22</age>

        <roll-no>19btcse30</roll-no>

        <course>Btech(CSE)</course>

    </details>

    <details>

        <name>ABC</name>

        <age>21</age>

        <roll-no>19btcse41</roll-no>

        <course>Btech(EEE)</course>

    </details>

    <details>

        <name>XYZ</name>

        <age>21</age>

        <roll-no>19btcse42</roll-no>

        <course>Btech(CSE)</course>

    </details>

    <details>

        <name>ABC</name>

        <age>20</age>

        <roll-no>19btcse11</roll-no>

        <course>Btech(ECE)</course>

    </details>

    <details>

        <name>XYZ</name>

        <age>22</age>

        <roll-no>19btcse22</roll-no>

        <course>Btech(EEE)</course>

    </details>

    <details>

        <name>ABC</name>

        <age>21</age>

        <roll-no>19btcse27</roll-no>

        <course>Btech(CSE)</course>

    </details>

    <details>

        <name>XYZ</name>

        <age>21</age>

        <roll-no>19btcse52</roll-no>

        <course>Btech(CSE)</course>

    </details>

</student>