

1. Write an XML program for a railway reservation system(**hospital.xml**) with the following specifications:

Root element is hospital, the sub-root is patient and the elements are patient name (patname), patient ID (patid), patient age (paage), disease(disease), treating doctor name(tdname), and room number(roomno). Add 15 different records to the program. Display the contents by using the **hospital.css** file.

2. Using the concept of DTD, write suitable code to include an external and internal DTD for the same(**hospital.dtd**)
3. Use the concept of XSL, implement the following using **hospital.xsl** file:
 - Display all 15 records
 - Sort all the records based on patient name
 - Display all patient records in blue colour if patient age is greater than 50. Else display in red colour

Note: Populate all 15 records with meaningful data. Make sure the patient age of atleast 15 persons is > 50.

4. Write an XML Schema(**hospital.xsd**) for the same and validate it