EXERCISE 10

Date: 19/10/2023

1. (i) Create a XML file which acts as a database with following nodes

   <EmployeeDetails> as the root element
   Create <Employee> element with following Child Nodes for atleast 5 employee details.
   EmpNo
   EName
   Job
   working Hours
   Dept
   DeptNo
   Salary

   1. Create a xquery to list the salary > 30000
   2. Get Employee numbers of employees whose last name starts with "S".
   3. Get names of employees in the "Research" department.
   4. Get employees who are managers work more than 8 hours
   5. Display the salary in highest to lowest.
   6. Display the Employee name in Alphabetical order.

   ii) Create a XML file which acts as a database with following nodes o XML file can be created in notepad with .xml extension and opened in any browser.

   <Student Details> as the root element
   Create <Student> element with following Child Nodes for atleast 5 employee details.
   STUID
   SName
   Course
   Dept
   subject
   Marks

   1. Create a xquery to list the Marks > 75
   2. Find the Avg Mark of a Student.
   3. Find the Total Marks of a Student.
   4. Find the Min and Max Mark of a student in a subject.

2. (i) Create a XML file which acts as a database with following nodes

   <Flight Details> as the root element
   Create <Flight> element with following Child Nodes for atleast 5 employee details.
   FlNo
   FlName
   PilotName
   From
   To
   Date

Departs Time
Arrives Time
Price

1. Create a xquery to list the price of journey < 5000
2. Create a xquery to find the departs Time of the particular flight on a 4.12.2020 from a particular city.
3. Create a xquery to find the Flight Names handled by a particular Pilot.
4. Create a xquery to find out number of Flight journeys of a particular flight on 30.11.2020
5. Create a xquery to find Arrival Time of a particular flight on 25.11.2020 from a particular city.

ii) Create a XML file which acts as a database with following nodes

<Employee Details> as the root element
Create <Employee> element with following Child Nodes for atleast 5 employee details.
EID
EName
Project
Job
Dept
DeptNo
salary

1. Create a xquery to list the employees in Dept ='Human Resources'.
2. Create a xquery to find the Employee who works in particular project and salary > 50000.
3. Create a xquery to find the Total salary of Employees in a particular department.
4. Create a xquery to find the number of Employees working in a department.
5. Create a xquery to find the highest salary of a manager in particular department.