DBMS LAB - 10

Q1(i) 1.Create a xquery to list the salary > 30000 doc("/home/magic_kite/Desktop/NITT/1_semester5/CSLR51_DBMS_lab/lab10/q1.xml")/ EmployeeDetails/Employee[Salary>30000] 1 Soma SDE 8 **CSE** 1 1000000 2 Sanjiv Devops 7 **CSE** 1 1500000 3 Sri Trader

doc("/home/magic_kite/Desktop/NITT/1_semester5/CSLR51_DBMS_lab/lab10/q1.xml")/ EmployeeDetails/Employee[starts-with(EName,"S")]/EmpNo

return \$x

3.Get names of employees in the "Research" department.

for \$x in

doc("/home/magic_kite/Desktop/NITT/1_semester5/CSLR51_DBMS_lab/lab10/q1.xml")/ EmployeeDetails/Employee

where \$x/Dept = "Research"

return \$x

5

Nitin

AppDev

8

Research

1

1000000

4.Get employees who are managers work more than 8 hours

for \$x in

doc("/home/magic_kite/Desktop/NITT/1_semester5/CSLR51_DBMS_lab/lab10/q1.xml")/ EmployeeDetails/Employee

where \$x/Job="Manager" and \$x/WorkingHours>8

return \$x

5.Display the salary in highest to lowest.

for \$x in

 $doc("/home/magic_kite/Desktop/NITT/1_semester5/CSLR51_DBMS_lab/lab10/q1.xml")/EmployeeDetails/Employee$

order by \$x/Salary

return \$x

1

Soma

SDE

8

CSE

1

1000000

5

Nitin

Manager

8

Research

1

1000000

3

Sri

Trader

doc("/home/magic_kite/Desktop/NITT/1_semester5/CSLR51_DBMS_lab/lab10/q1.xml")/ EmployeeDetails/Employee/EName

order by \$x

return \$x

ManoNitinSanjivSomaSri

Q1(ii)

1. Create a xquery to list the Marks > 75

for \$x in

 $doc("/home/magic_kite/Desktop/NITT/1_semester5/CSLR51_DBMS_lab/lab10/q2.xml")/StudentDetails/Students$

where \$x/Marks>75

return \$x

1

Soma

SE

CSE

1

100

13

2

Sanjiv

Devops

CSE

1

3

Sri

Networks

ECE

2

98

43

4

Mano

Analog

ICE

13

20

79

5

Nitin

Electronics

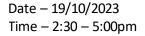
EEE

1

10

99

2. Find the Avg Mark of a Student.



Sanjiv Kannaa Jeganathan 106121116

for \$x in

doc("/home/magic_kite/Desktop/NITT/1_semester5/CSLR51_DBMS_lab/lab10/q2.xml")/ StudentDetails/Students[STUID eq "1"]

return avg(\$x/Marks)

56.5

3. Find the Total Marks of a Student.

sum(doc("/home/magic_kite/Desktop/NITT/1_semester5/CSLR51_DBMS_lab/lab10/q2.x ml")/StudentDetails/Students[STUID eq "2"]/Marks)

111

4. Find the Min and Max Mark of a student in a subject.

min(doc("/home/magic_kite/Desktop/NITT/1_semester5/CSLR51_DBMS_lab/lab10/q2.x ml")/StudentDetails/Students[STUID eq "3"]/Marks),

max(doc("/home/magic_kite/Desktop/NITT/1_semester5/CSLR51_DBMS_lab/lab10/q2.x ml")/StudentDetails/Students[STUID eq "3"]/Marks)

43 98

Q2(i)

1. Create a xquery to list the price of journey < 5000

 $doc("/home/magic_kite/Desktop/NITT/1_semester5/CSLR51_DBMS_lab/lab10/q3.xml")/FlightDetails/Flight[Price<5000]$

2. Create a xquery to find the departs Time of the particular flight on a 4.12.2020 from a particular city.

doc("/home/magic_kite/Desktop/NITT/1_semester5/CSLR51_DBMS_lab/lab10/q3.xml")/FlightDetails/Flight[Date eq 21.10.2023 and From eq Trichy]/DepartTime

5

Corona

4000

Nitin

Trichy

Hosur

21.10.2023

6:45

9:00

4000

3. Create a xquery to find the Flight Names handled by a particular Pilot.

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doc("/home/magic_kite/Desktop/	/NITT/1_semester5/CSLR51_DBMS_lab/lab10/q3.xml")/
FlightDetails/Flight[PilotName eq	"Soma"]

Lufthansa

Soma

Chennai

Trichy

2020-12-04

3:00

6:00

15000

 $4. \ Create a \ xquery to find out number of Flight journeys of a particular flight on 30.11.2020 \\ count(doc("/home/magic_kite/Desktop/NITT/1_semester5/CSLR51_DBMS_lab/lab10/q3. \\ xml")/FlightDetails/Flight[Date eq "30.11.2020"])$

0

5. Create a xquery to find Arrival Time of a particular flight on 25.11.2020 from a particular city.

doc("/home/magic_kite/Desktop/NITT/1_semester5/CSLR51_DBMS_lab/lab10/q3.xml")/FlightDetails/Flight[Date eq 21.10.2023 and From eq Trichy]/ArrivesTime

5

Corona

Nitin

Trichy

Sri

Trader

Sanjiv Kannaa Jeganathan

106121116

- 3. Create a xquery to find the Total salary of Employees in a particular department. sum(doc("/home/magic_kite/Desktop/NITT/1_semester5/CSLR51_DBMS_lab/lab10/q4.x ml")/EmployeeDetails/Employee[Dept eq "CSE"]/Salary)
 33500000
- 4. Create a xquery to find the number of Employees working in a department.

 count(doc("/home/magic_kite/Desktop/NITT/1_semester5/CSLR51_DBMS_lab/lab10/q4.

 xml")/EmployeeDetails/Employee[Dept eq "CSE"])

 2
- 5. Create a xquery to find the highest salary of a manager in particular department.

 max(doc("/home/magic_kite/Desktop/NITT/1_semester5/CSLR51_DBMS_lab/lab10/q4.x

 ml")/EmployeeDetails/Employee[Dept eq "HumanResouces" and Job eq

 "Manager"]/Salary)