

Assignment – 9

XML Lab

Abhinav Salar

Reg No – 2021CA006

Q1. Create an Employee_Info document for the following content in XML:

1. The root element is "Employee_Info"
2. As the content for "Employee_Info," "Employee" occurs 1 or more times
3. As content of "Employee," "Name," "Department," "Email" and "Telephone," or "Mobile," elements occur once in respective order
4. "Name," "Department," "Email" and "Telephone," or "Mobile," content are text strings
5. "Employee" has an attribute called "Employee_Number"
6. "Employee_Number" content must be int type
7. Create an entity cse to refer the string Computer Science and Engineering Department and use it in the XML document.

XML Code:-

```
<?xml version="1.0" encoding="UTF-8"?>  
<!DOCTYPE Employee_Info SYSTEM "employeeType.dtd" [  
<!ENTITY cse "Computer Science Engineering"> ]> <!-- declaring entity "cse"-->
```

```
<Employee_Info>
  <Employee Employee_Number="1">
    <Name>Micky</Name>
    <Department>&cse;</Department>
    <Email>micky404@gmail.com</Email>
    <Telephone>234567</Telephone>
    <Mobile>+917863836372</Mobile>
  </Employee>
  <Employee Employee_Number="2">
    <Name>James</Name>
    <Department>Mechanical</Department>
    <Email>james404@gmail.com</Email>
    <Telephone>274567</Telephone>
    <Mobile>+918963836372</Mobile>
  </Employee>
</Employee_Info>
```

Dtd code:-

```
<?xml version="1.0" encoding="UTF-8"?>
<!ELEMENT Employee_Info (Employee+)>
<!ELEMENT Employee (Name, Department, Email, Telephone, Mobile)>
<!ELEMENT Name (#PCDATA)>
```

<!ELEMENT Department (#PCDATA)>

<!ELEMENT Email (#PCDATA)>

<!ELEMENT Telephone (#PCDATA)>

<!ELEMENT Mobile (#PCDATA)>

<!ATTLIST Employee Employee_Number ID #REQUIRED>

Output:-

