

# Reading XML

# What is XML?

- Extensible Mark-up language is a mark-up language that defines a set of rules for encoding documents in a format that is both human-readable and machine-readable.
- This language is widely used for the representation of arbitrary data structures such as those used in web services.

# Why people use XML?

- XML stores data in plain text format which enables a software and hardware independent way of storing, transporting and sharing data.
- XML also makes it easier to expand or upgrade to new operating systems, new applications, or new browsers, without loss of data.
- XML is a W3C (World Wide Web Consortium) Recommendation.
- Language resembles that of HTML which is made up of tags.

# XML Example

```
<?xml version="1.0" encoding="UTF-8"?>
<customermaster>
  <customer>
    <custid>1001</custid>
    <name>Ramesh Kumar</name>
    <age>28</age>
    <company>TCS</company>
  </customer>

  <customer>
    <custid>1002</custid>
    <name>Dilip Deo</name>
    <age>38</age>
    <company>Infosys</company>
  </customer>
</customermaster>
```

```
<?xml version="1.0" encoding="UTF-8" ?>
- <customermaster>
- <customer>
  <custid>1001</custid>
  <name>Ramesh Kumar</name>
  <age>28</age>
  <company>TCS</company>
</customer>
- <customer>
  <custid>1002</custid>
  <name>Dilip Deo</name>
  <age>38</age>
  <company>Infosys</company>
</customer>
</customermaster>
```