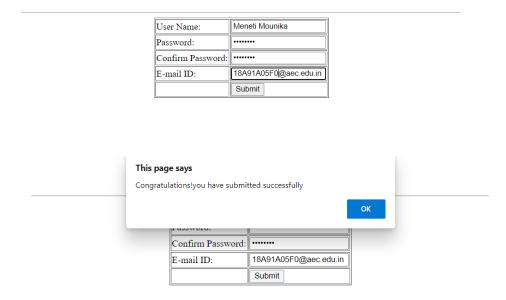
- 4) Java Script & XML
- 4.1) Write a JavaScript to validate the following fields in a registration page created in week 2
- a. Name (start with alphabet and followed by alphanumeric and the length should not be less than 6 characters)
- b. Password (it allows alphanumeric, special symbols and should not be less than 6 characters)
- c. E-mail (should not contain invalid email addresses)

```
<html>
<head><h1 align=center>Welcome to Validation
Checking</h1><hr width=50%>
<script language="javascript">
function validation()
var x=f.un.value;var len=x.length;
var val=x.charCodeAt(0); var p=f.pw.value;
var c=f.cpw.value;var a=f.email.value;
var atpos=a.indexOf("@");var dotpos=a.lastIndexOf(".");
if(len<6||x==""||x==null)
alert("check your username! must be minimum 6 characters");
else if(val<65 || val>90&&val<97 || val>122)
alert("username must be begin with an alphabet");
return fasle;
else if(p==" \| c==" \| p.length < 6 \| c.length < 6 \| p!=c)
alert("password and confirm password should be same and greater than 6 characters!");
return false;
else if(atpos<6 || dotpos<atpos+6 || dotpos+2>=a.length)
alert("Not a Valid email id");
return false;
}
else
alert("Congratulations!you have submitted successfully");
</script>
</head>
<body>
```

Welcome to Validation Checking



- **4.2**) Write an XML file which will display the Book information which includes the following:
- a) Title of the book ;b) Author Name ;c) ISBN number ;d) Publisher name
- e) Edition;f) Price

Write a Document Type Definition (DTD) to validate the above XML file and display the details in a table (to do this use XSL).

Book.dtd:

- <!ELEMENT bookdetails(books+)>
- <!ELEMENT books(title,author,isbn,publisher,edition,price)>
- <!ELEMENT title(#PCDATA)>
- <!ELEMENT author(#PCDATA)>
- <!ELEMENT isbn(#PCDATA)>
- <!ELEMENT publisher(#PCDATA)>

```
<!ELEMENT edition(#PCDATA)>
```

<!ELEMENT price(#PCDATA)>

Book.xml:

- <?xml version="1.0"?>
- <!DOCTYPE bookdetails SYSTEM "book.dtd">
- <?xml-stylesheet type="text/xsl" href="book.xsl"?>
- <bookdetails>
- <books>
- <title>C</title>
- <author>Balaguruswamy</author>
- <isbn>123456</isbn>
- <publisher>Oxford</publisher>
- <edition>Edition-II</edition>
- <price>\$30.00</price>
- </books>
- <books>
- <title>C++</title>
- <author>yaswanth kanethkar</author>
- <isbn>654321</isbn>
- <publisher>Tata McHill/publisher>
- <edition>Edition-I</edition>
- <price>\$35.00</price>
- </books>
- <books>
- <title>JAVA</title>
- <author>Herbert Schildt</author>
- <isbn>789456</isbn>
- <publisher>Cenage</publisher>
- <edition>Edition-IV</edition>
- <price>\$50.00</price>
- </books></bookdetails>

Book.xsl: <?xml version="1.0"?> <xsl:stylesheet version="2.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform"> <xsl:template match="/"> <html> <head><center>Book Details</center></head> <body> <hr width="50%"/> TITLE AUTHOR ISBN PUBLISHER EDITION PRICE <xsl:for-each select="bookdetails/books"> <xsl:value-of select="title"/> <xsl:value-of select="author"/> <xsl:value-of select="isbn"/> <xsl:value-of select="publisher"/> <xsl:value-of select="edition"/> <xsl:value-of select="price"/> </xsl:for-each>

OUTPUT:

</xsl:stylesheet>a

</body></html></xsl:template>

Book Details

TITLE	AUTHOR	ISBN	PUBLISHER	EDITION	PRICE
С	Balaguruswamy	123456	Oxford	Edition-II	\$30.00
C++	yaswanth kanethkar	654321	Tata McHill	Edition-I	\$35.00
JAVA	Herbert Schildt	789456	Cenage	Edition-IV	\$50.00