



IQRA NATIONAL UNIVERSITY

Web Engineering Assignment

NAME: MUZAMMIL AHMED

STUDENT ID: 16941

DEPARTMENT: BS-SE

SEMESTER: 6TH

Question: Use XML types to create a branch that includes data about a student, e.g.; -

First name -

Last name -

id etc.

XML (Internal) Code:

```
<?xml version="1.0" encoding="utf-7"?>
<!DOCTYPE studentINU [

<!ELEMENT studentINU (fname, lname, id, eyeCol, skinCol,
height, hobbies)>
<!ELEMENT fname (#PCDATA)>
<!ELEMENT lname (#PCDATA)>
<!ELEMENT id (#PCDATA)>
<!ELEMENT eyeCol (#PCDATA)>
<!ELEMENT skinCol (#PCDATA)>
<!ELEMENT height (#PCDATA)>
<!ELEMENT hobbies (#PCDATA)>
]>
<student>
<fname>Muzammil.</fname>
<lname>Ahmed.</lname>
<id>16941.</id>
<eyeCol>Brown.</eyeCol>
<skinCol>light brown.</skinCol>
<height>5'11.</height>
<hobbies>
Likes to play football and shopping and spend time with my
Friends.
```

</hobbies>

</student>

XML (External) Code:

DTD File Code:

```
<!ELEMENT studentINU (fname, lname, id, eyeCol, skinCol, height, hobbies)>
```

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

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

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

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

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

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

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

```
]>
```

- XML EXTERNAL STARTS FROM HERE -

```
<?xml version="1.0" encoding="utf-7"?>
```

```
<!DOCTYPE studentINU SYSTEM "studentINU.dtd">
```

<studentINU>

<fname>Muzammil.</fname>

<lname>Ahmed.</lname>

<id>16941.</id>

<eyeCol>Brown.</eyeCol>

<skinCol>light brown.</skinCol>

<height>5'11.</height>

<hobbies>

Likes to play football and shopping and spend time with my
Friends.

</hobbies>

</student>