



Name: Haseeb Javed

ID: 16890

BS(SE) 6TH SEMESTER

WEB ENGINEERING ASSIGNMENT

SUBMITTED TO: SIR AYUB KHAN

Id:16890

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-8"?>
<!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>Haseeb.</fname>
    <lname>Javed.</lname>
    <id>16890.</id>
    <eyeCol>Brown.</eyeCol>
    <skinCol>Light white.</skinCol>
    <height>196 cm or 6'5.</height>
    <hobbies>
        Likes to stay at home and play pubg mobile or cod mobile.
    </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-8"?>
<!DOCTYPE studentINU SYSTEM "studentINU.dtd">
<studentINU>
    <fname>Haseeb.</fname>
    <lname>Javed.</lname>
    <id>16890.</id>
    <eyeCol>Brown.</eyeCol>
    <skinCol>Light white.</skinCol>
    <height>196 cm or 6'5.</height>
    <hobbies>
        Likes to stay at home and play pubg mobile or cod mobile.
    </hobbies>
</student>
```

XML Tree:

