

Q1 Convert the following tables into a SINGLE xml document.

Dept

<u>DID</u>	Name	Rooms	Staff
CS235	Computer Science	4	32
EE415	Electrical Engineering	6	45

Faculty

<u>FID</u>	Name	Salary
101	Nicole	\$1000
102	Vincent	\$2000
103	Florence	\$1500

Dept-Faculty

<u>FID</u>	<u>DID</u>
101	CS235
102	CS235
103	EE415

Q2 Write the DTD for an XML document to store the following data:

```

<mcs>
<course>
  <ID>BESE15</ID>
  <Student>
    <name>...</name>
    <email>...</email>
  </Student>
  <Student>
    <name>...</name>
  </Student>
</course>
<course>
  <ID>BESE14</ID>
  <Student>
    <name>...</name>
    <email>...</email>
  </Student>
</course>
</mcs>

```

Q3 Given the DTD, find which of these are NOT valid.

```

<!ELEMENT Customer ( (name, phone)+)>
<!ELEMENT name (#PCDATA)>
<!ELEMENT phone (#PCDATA)>

```

```

<db>
<customer>
  <name>...</name>
  <phone>...</phone>
  <phone>...</phone>
</customer>
</db>

```

a

```

<db>
<customer>
  <phone>...</phone>
</customer>
</db>

```

b

```

<db>
<customer>
  <name>...</name>
</customer>
</db>

```

c