Question 4

Load the XML with the DTD into R using validation.

```
library("XML")

xml_data <- xmlParse("CustomersAndOrders.xml", validate = T)</pre>
```

Question 5

Execute an XPath expression that returns the names of all customers that do not live in "MA"

Question 6

Using the result returned in (5), count how many customers there are.

```
print(length(customer_names))
## [1] 4
```

Question 7

[11] 14.01

Using a combination of R and XPath, calculate the total amount paid for freight for all orders placed by customer with ID "GREAL".

```
total_freight_amount <- sum(freight_values)
print(total_freight_amount)</pre>
```

[1] 1087.61

Question 8

Using a combination of R and XPath, calculate the average amount paid for freight for all orders shipped to the USA.

[1] 68.91818