

1. Fix all syntax errors:

```
<html>

</head>
<body>
<p> Little Mary had a lamb </p>

<ul> it was
  <li> as white </ul>
  <li> as snow </ul>

<hr />

<h5> And everywhere </h5>
that Mary
went <br />
the was

<span style="color:pnik">sure </span>

to

<h2> GO <h2>

</html>
```

2. Give an html file using internal CSS for the following. You MUST use CSS class as much as possible

```
<html>
<head> </head>
<body bgcolor="pink">

<h1 style="color:red">

<p align="right" style="color:green">
  this is text for paragraph 1
</p>

<h2 style="color:red"> THIS is an h2 header #1

<p style="color:green; text-align:right">
It followed her to school one day, which was against the
rules. <br /> It made the children laugh and shout, to see
a lamb at school
</p>

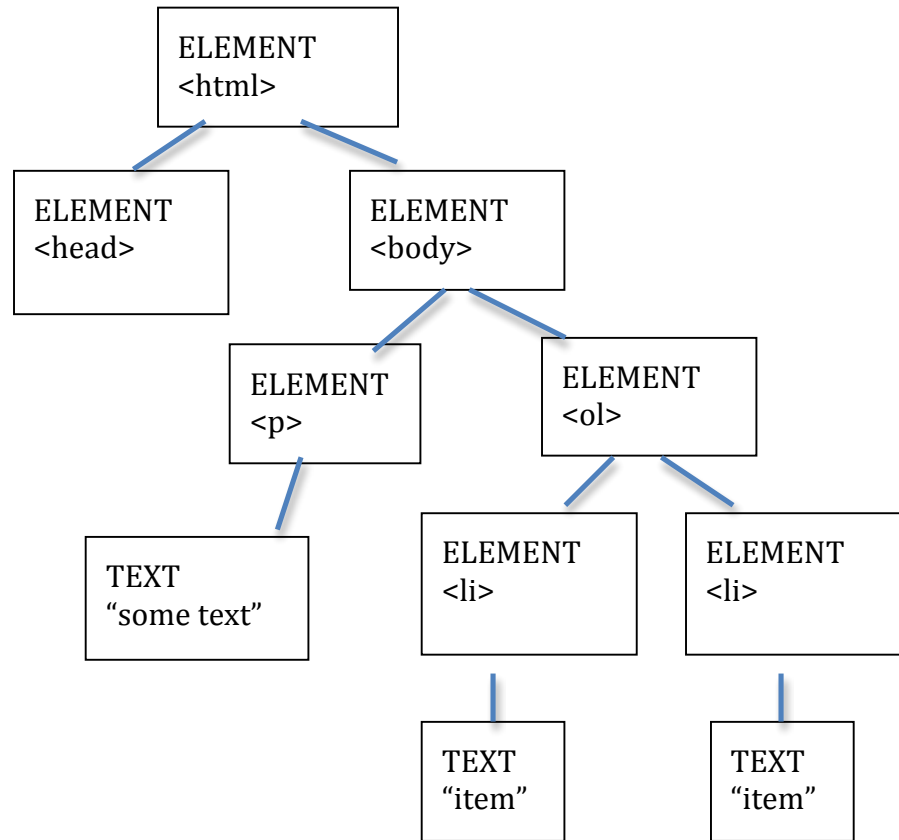
<h2 style="text-transform:uppercase;">
THIS is an h2 header # 2
</h2>

<p style="color:red; text-align:center">
Black sheep, black sheep, have you any wool?
</p>

</body>
</html>
```

3. Consider this DOM (does not include all text nodes) that a browser has built.

What is the corresponding HTML?



4. Give Javascript code that would swap the first and last elements of the list

```
<ul>
  <li> element 1 </li>
  <li> element 2 </li>
  . . .
  <li> element n </li>
</ul> <!-- More list elements -->
```

5. Give the Javascript code for an array of Image objects. Do not initialize the array.

6. How can you make a single word clickable? Show the HTML code using the following paragraph:

```
<p>  
  The word "duck" is the word of the day.  
</p>
```

7. Suppose you have

```
<div id="div1">  
     
</div>
```

Give Javascript code to remove the two images from the div "div1".

8. Suppose you have

```
<div id="div1" onClick="fun1();">  
     
</div>
```

Write the function `fun1()` that will display an alert box every 5 seconds.

9. Consider this regular expression: `/[aeiou]/`

How would you use that regular expression to obtain the value of the first vowel in "hi mom"? (i.e., give Javascript)

10. What is the regular expression good for? `/\d{5}/`

i.e., give English (“it is good for ...”), or
give an example where it matches and an example where it does not match.

11. What is the value of the following expression?

```
"aboooot".match(/o+t/)
```

12. Assuming a single (core) CPU, how many Java threads can be in the “RUN” state at any one moment of time?

- a. 0 b. 1 c. 2 d. many

13. Give a Java statement that will force the executing thread into the “BLOCKED” state for one second.

14. What `LayoutManager` is used to make a 3 X 2 grid of containers?

15. Suppose you use a Swing timer. What kind of listener will respond to timer events?

- a. `ButtonListener`
- b. `TimerListener`
- c. `ActionListener`
- d. `EventListener`
- e. Other

16. A `JPanel` can contain a `JPanel`.

TRUE

FALSE