



1.3.4 HTML, CSS & JavaScript

1. A website contains the following HTML:

```
<html>
  <head>
    <title>Boris' Cake Shop</title>
    <link rel="stylesheet" type="text/css" href="style.css">
  </head>
  <body>
    <h1>Boris' Cake Shop</h1>
    <p id="intro">
      Welcome to Boris' cake shop.
    <script>
      var hour = new Date().getHours(); // gets the hour value
of the current time
      if (hour>9 && hour<17)
      {
        document.write("We are currently open");
      }
      else
      {
        document.write("We are closed, come visit us when we
are open (9.00 - 17.00).")
      }
    </script>
    </p>
    <div class="customerQuote">
      Boris makes the best cupcakes I have ever tasted.
    </div>
  </body>
</html>
```

- a) Explain the difference between a HTML id attribute and a HTML class attribute.

[2 marks]

- b) The html file is linked to the CSS file style.css.

Text between h1 tags should be in the font Arial.

The customer quote should be on a background with the colour E8C3E1.

The introduction text should be dark red (using the named colour darkRed).

Write the code that should go in style.css to give this formatting.

[6 marks]





c) The code between the script tags is supposed to display a different message during the shop's opening hours of 09:00 and 17:00.

i. State the name of the language used between the script tags.

[1 mark]

Some users have reported that there is a bug, and the site says the shop is closed when they log on between 9 and 10 in the morning.

ii. Explain how this bug can be fixed.

[1 mark]





2. A website contains the following HTML:

Features

The new OCR Smart Watch:

1. Uses the CB2 RISC processor for long battery life
2. Stores up to 20hrs of music
3. Tracks fitness

Download The Factsheet

- a) Write the HTML to produce the extract from the webpage above. You can assume it will be placed within the tags of a pre-existing page. You do not need to specify the font.

[2 marks]

- b) Part of a website's code is shown below.

```
<head>
  <title>Orville's Oranges</title>
  <link rel="stylesheet" type="text/css" href=mainStyle.css">
</head>
```

Explain the meaning of the code.

[2 marks]

- c) The site also contains the following code.

```
<div class="offer">All oranges 50% off.</div>
```

Complete the CSS code that would make any div elements of the class offer have an orange border.

```
_____ {
    border-style: solid;
    _____
}
```

[2 marks]





3. A web development company makes its money building websites for other companies.

The web development company is looking to recruit a programmer to build websites.

Discuss the technologies the programmer would need to know and use and the importance of each one.

[9 marks]

