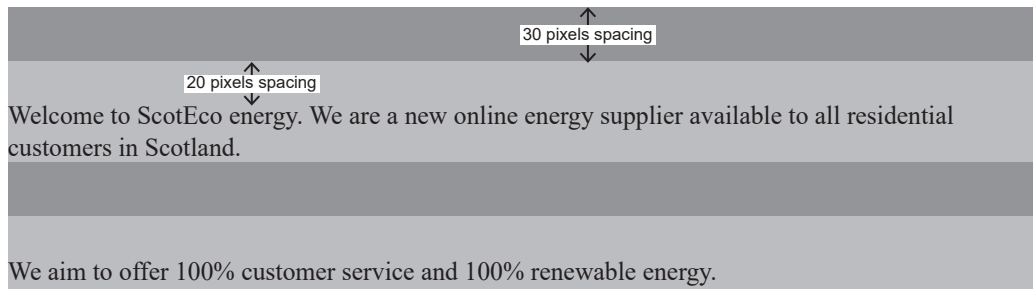


16. An energy supplier's website allows customers to log in and manage their account online.

- (a) They are redesigning their home page and want to implement the spacings shown below.



Using the partially completed code below, complete the CSS rules to implement the appropriate spacing as shown above.

2

```
<style>
  main { background-color: darkgrey;}
  p { background-color: lightgrey;

  _____ ;

  _____ ; }
</style>

<main>
  <p>Welcome to ScotEco energy. We are a new online
  energy supplier available to all residential
  customers in Scotland</p>

  <p>We aim to offer 100% customer service and 100%
  renewable energy.</p>
  ...
```

[Turn over



16. (continued)

- (b) A navigation bar will be included across the site.



Complete the CSS rule that will change the colours to black and white if the cursor moves over a link.

2

```
nav { height:40px; }
nav ul li { float:left;width:100px;text-align:center; }
nav ul li a { display:block;padding:10px; }

nav ul li _____ { _____;
_____ ; }
```

- (c) One of the web pages uses multiple div elements as shown below.

```
<p>Tariff one</p>
<p>Tariff two</p>
<p>Tariff three</p>
```

They are to be displayed as shown below.

Tariff one	Tariff two	Tariff three
------------	------------	--------------

The CSS rule below is added.

```
p { display: inline ;}
```

Explain why this CSS rule displays the contents of the elements side by side.

1

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16. (continued)

- (d) When an image, 'question.jpg', on the web page is clicked, it should display the text:

'For more help call us on 0800 300200'

The JavaScript code below does not correctly implement this feature.

```
<script>
  function displayHelp(){
    document.getElementById("display").style.display="block";
  }
</script>

<p>For help please click on the icon below.</p>



<div id="help" style="display:none">

  <p>For more help call us on 0800 300200</p>
</div>
...
```

- (i) Re-write the line of code which will use a JavaScript event to call the function `displayHelp` when the image 'question.jpg' is clicked.

2

- (ii) Explain why the text is still not displayed when the function `displayHelp` is called.

1

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### 16. (continued)

All customers have electricity meters and some customers also have a gas meter.  
The HTML code below allows the user to enter their meter readings.

```
...
<form>
...

    Electricity Meter Reading <br>
    <input type="number" name="electricity">

    Gas Meter Reading <br>
    <input type="number" name="gas">

    <input type="submit">
...
</form>
...
```

- (e) Re-write the line of HTML code to ensure that a reading has been entered for the electricity meter.

1