

With this book, begin an exciting new adventure into the world of HTML coding by joining the QuestKids in their mission to create a wondrous new world. Help them face mischievous villains as they attempt to solve trials and tribulations on their epic voyage.

On your journey, **discover and develop a mastery of HTML**, and help the QuestKids to achieve their ambition of bringing life to a new part of the galaxy. Can you and the QuestKids learn to **create your first website** together...and energise a whole new world?

The QuestKids® series is designed to make learning fun! Follow the thrilling tales of two best friends, and get inspired to learn coding.

Using the proven approach of learning In Easy Steps, this guide is:

- Easy to follow
- Fully illustrated
- Clear and concise

Uses friendly icons to make it even easier:



To spice up your learning



Highlights something worth remembering



Wards you off potential danger!

Supported by a designated website [www.thequestkids.com](http://www.thequestkids.com)

**Learning couldn't be more fun!**

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The QuestKids Do Coding | Create Your First Website in easy steps

in easy steps CHILDREN'S BOOKS

# THE QUESTKIDS® DO CODING

## Create Your First Website

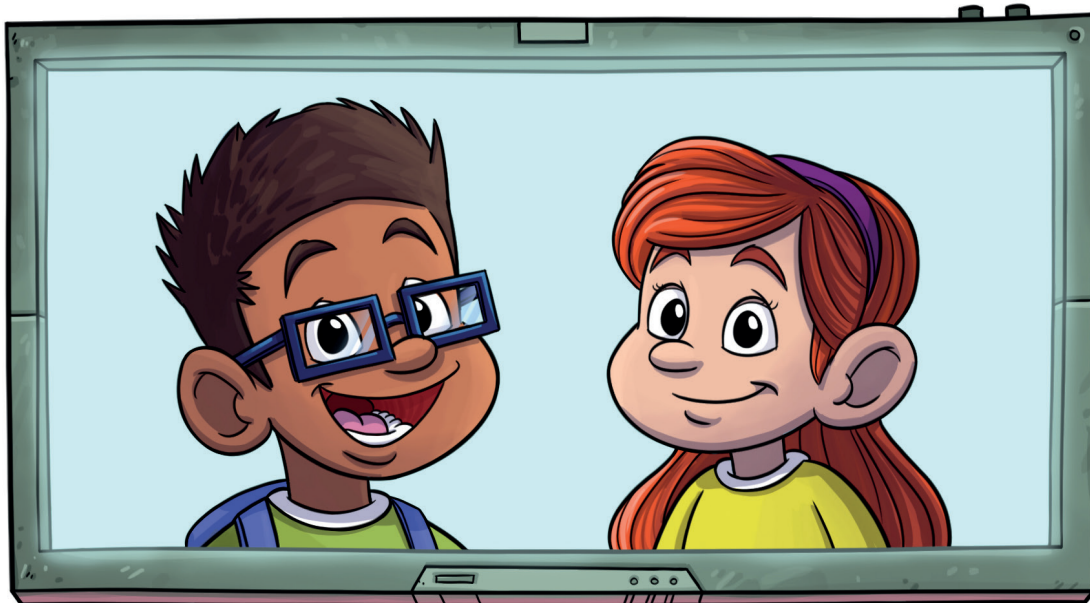
- > Follow Dan and Tiff's Quest to Learn Coding
- > Master HTML Basics
- > Build your Website



**in easy steps**  
CHILDREN'S BOOKS

**Age 7+**





# Welcome, budding coders!

Say “Hi” to our heroic adventurers: Dan Devices & Tiffany Tech. Together they are the best of friends, and an amazing team who love to explore and help each other whenever they can.

Dan adores devices, Tiff loves tech, and both are on a constant quest to learn new things and look for fun and adventure in everything they do. The friends are joined by their pets, Smuffy and Chew-Chew, who help out in their own special way. Together...they are the **QuestKids!**

As the newest member of the team, you’ll join them on an epic voyage into coding. With their help, you’ll learn how to design your first website in HTML and have lots of fun along the way.

Now you’ve met the team, it’s time to begin your journey. Join the gang at Earth’s most famous space centre where Tiff’s relative, Uncle Pimlico, is very excited about the prospect of this special day...



# THE QUEST KIDS<sup>®</sup> DO CODING

Create Your First Website



**in easy steps**  
CHILDREN'S BOOKS

## You will need:

- A computer or laptop
- Text editor (Notepad, TextEdit, Sublime Text)
- Web browser (e.g. Chrome, Microsoft Edge/Internet Explorer, Firefox, Safari)
- Internet connection (for your web browser)

## What is HTML?

HTML stands for Hyper Text Markup Language. It's the standard language that allows you to create websites for anyone to view on the internet using a web browser.

## Notes:

In each section throughout the book, you will be required to add new lines of code. Each new line of code in each section will be highlighted in red.

### For Example:

```
<!doctype html>
<HTML>
<head>
  <meta charset="utf-8">
  <title>Planet Splendour</title>
</head>
<body>
</body>
</HTML>
```

← This is the new line of code  
that you would need to add.

By the end of the book, you'll have your website on your personal device but it will not be available for public viewing.

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### Contributors

Technical Author: Darryl Bartlett  
Designer & Illustrator: Ben Barter  
Story Author: Paul Aldridge



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You can download the full source code for the book from  
<http://www.thequestkids.com>

“Wow!!!” gasped Dan.

“That! Ah, that’s just one of our regular shuttle flights,” replied Uncle Pimlico as they all walked towards the Space Centre. “Now! It’s a big day for us here today. So... I need you on your best behaviour.”

“Always, Uncle!” replied Tiff. “Same for you, hey Dan?” Tiff nudged him and winked as he slowly understood.

“Oh, erm... absolutely! As if we weren’t even here,” replied Dan.

“Doubtful... and your plans for them?” Uncle Pimlico stared at Smuffy and Chew-Chew. “I still haven’t forgiven that chinchilla for the last time it escaped and chased me!”

“All sorted. I’ve added a lock to Chew-Chew’s ball,” replied Tiff.

“... and I’ll take Smuffy when, you know... she has to go out,” said Dan.

“Excellent!” yelled Uncle Pimlico. They walked on through the entrance and eventually came to a standstill, spellbound by the enormous atrium.

“Wow!” exclaimed Dan and Tiff as they looked around.

“Can we wander?” asked Dan.

“No, no, no!” snapped Uncle Pimlico. “Although, here’s the deal. If you behave, I’ll take you on an amazing tour in a spaceship.”

“Deal!” they replied excitedly. Everyone strolled on until Uncle Pimlico stopped abruptly. A sliding door with swirling neon lights faced them.

“Right, kids. We’re about to enter the Nerve Centre for this entire complex. Follow me and don’t touch anything! Understood?” he asked.

They both sneakily crossed their fingers. “We promise,” they replied.

“Same goes for you two!” Uncle Pimlico stared at their pets. “Okay gang, let’s go!”









Dan quickly got on the intercom while sending the data he had retrieved, "Hey Tiff, you there?"

"Hey Dan," she replied, "anything for me?"

"You'd best get typing! Have a look on your screen," said Dan.

"How did you get it back?" asked Tiff.

"Smuffy gave them the runaround," joked Dan.

Tiff downloaded the data and began to type.

"Brilliant, Dan. I'm coding as we speak!"

"Where next?" he asked.

"Planet Dearth! It's home to the Tromots," said Tiff. "I'm sending the profiles and co-ordinates now."

"How is everything back in the Nerve Centre?" asked Dan.

"So far, so good," said Tiff, "Chew-Chew is guarding the door while I code, and now he seems to be building a small trebuchet!"

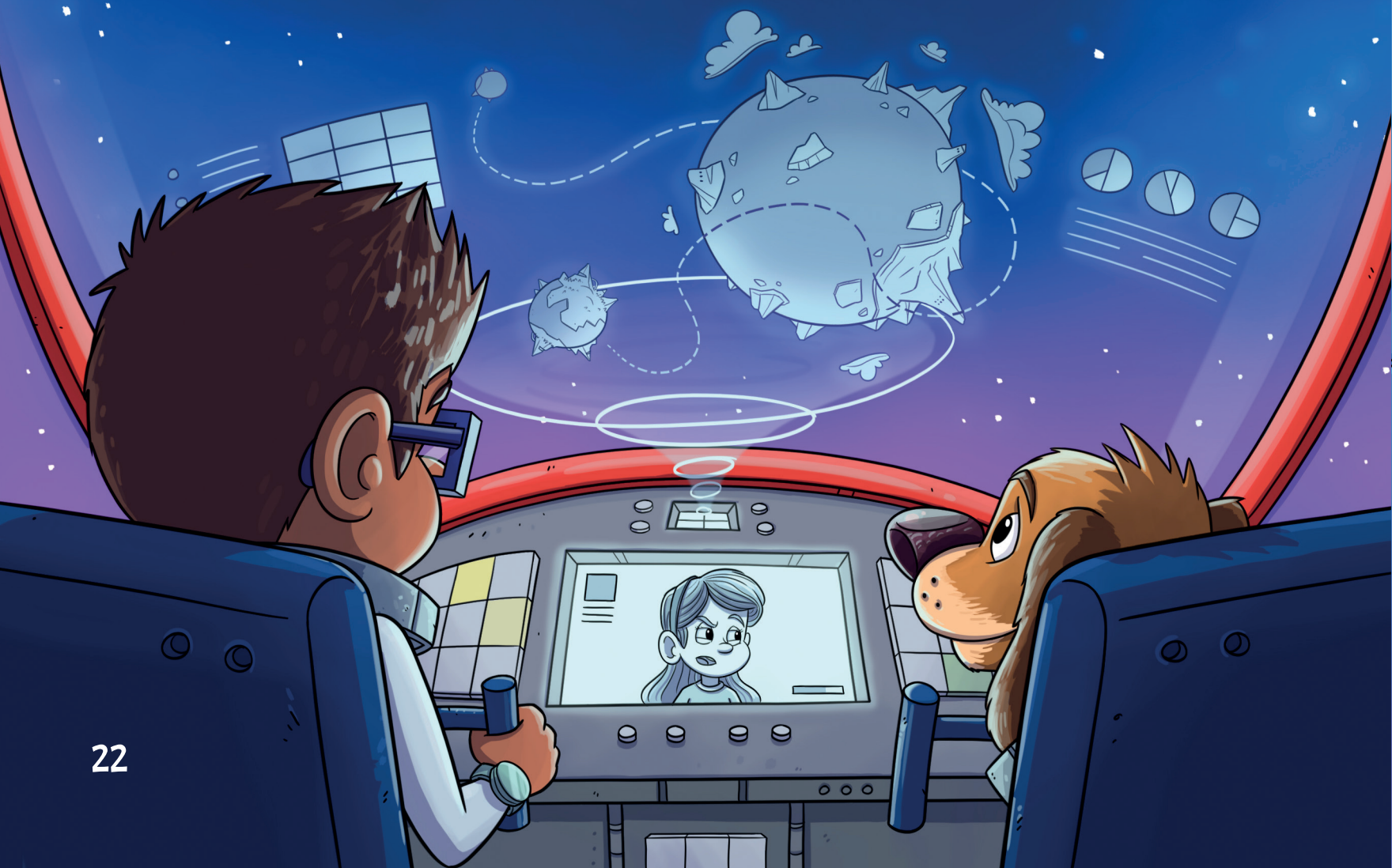
"Guarding doors is the perfect job for that lunatic chinchilla!" laughed Dan.

Tiff nodded in agreement. "You got that right!"

Follow the next few pages to create your first website with The QuestKids!

Learn how to get started and how to edit your webpages.

Add headings, titles, tables and links to your webpages.





## Getting Started

To get started with HTML, we need to set up the standard HTML document structure.

- 1 Open up your text editor and type out the code below:

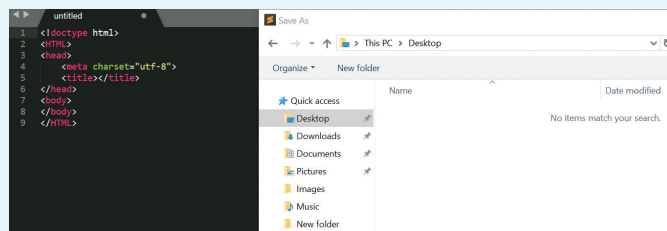
```
<!doctype html>
<HTML>
<head>
  <meta charset="utf-8">
  <title></title>
</head>
<body>
</body>
</HTML>
```



Remember to note down the location of your document.

- 2 Save the document as **planet.html**.

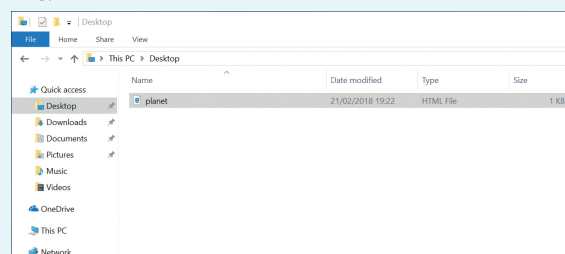
Try to save it in a memorable location, like on the Desktop or in the Documents folder.



## Viewing Your Webpage

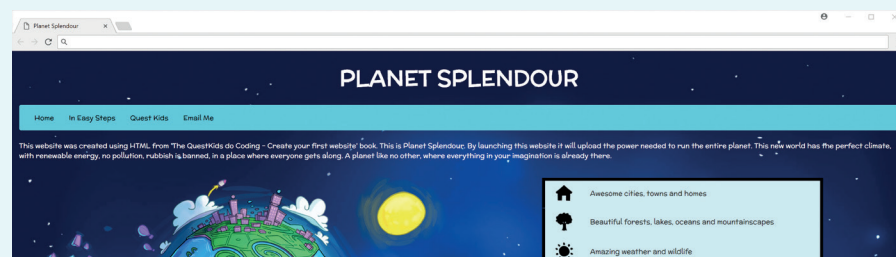
You can view your webpage at anytime throughout the book by double-clicking the **planet.html** file.

- 1 Browse Windows Explorer on PC or Finder on Mac for **planet.html**.



Your document will still be blank at this stage. However, this is how the final website will look.

- 2 Double-click on planet.html, and the page will open in your default web browser.



## Editing Your Webpage

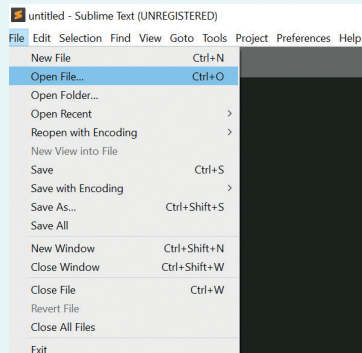
Throughout the book, you will need to add more code to complete the project. You can edit your webpage at any point by following the steps below:

- 1 Open your chosen text editor (Notepad, Sublime Text, etc.).



We recommend using Sublime Text for writing code.

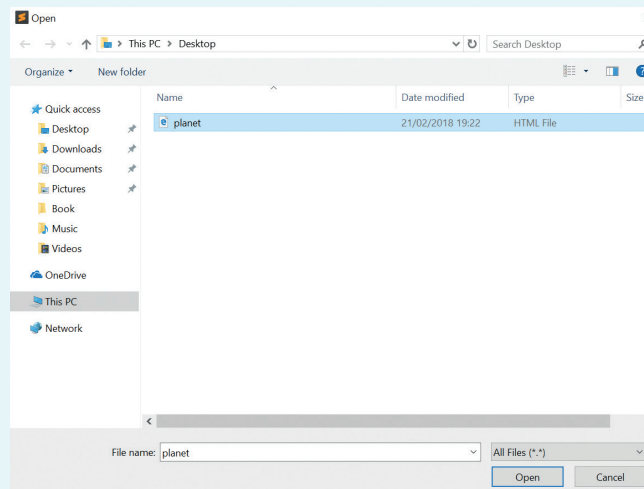
You can get it from here: [sublimetext.com](http://sublimetext.com)



- 2 Select **planet.html** to open the document in your text editor.



Make sure you are using a plain text editor, and not a word processor like Microsoft Word.



All spellings in HTML are in American English. For example, colour will need to be spelt "color" in your code.



## Headings and Page Titles

### Adding a Title

We are going to start by giving our page a title. We do this using the `<title>` tag. A page title is not printed on the page itself, but instead it's displayed in the browser toolbar. This title would also be displayed in the search engine results.

- 1 Add the following line of code to your document:

```
<!doctype html>
<HTML>
<head>
  <meta charset="utf-8">
  <title>Planet Splendour</title>
</head>
<body>
</body>
</HTML>
```



Remember to close off tags to avoid problems with your code.

For the `<title>` opening tag, you would use `</title>` as the closing tag.

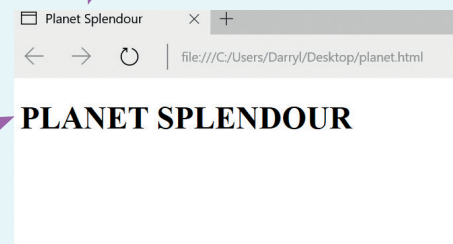
- 2 Save the changes to your document, by clicking File > Save.

### Adding a Heading

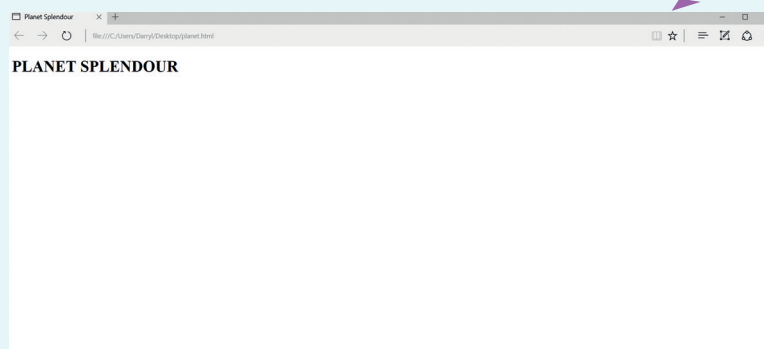
Next, we will add a nice big header to the top of the page. This will be printed at the very top of the webpage.

- 1 Add the following line of code inside your `<body>` tag:

```
<!doctype html>
<HTML>
<head>
  <meta charset="utf-8">
  <title>Planet Splendour</title>
</head>
<body>
  <h1>PLANET SPLENDOUR</h1>
</body>
</HTML>
```



- 2 Save the changes to your document, by clicking File > Save. Your webpage should now look like the screenshot below:





An ellipsis (...) in the blue code section means some of the code from an earlier section is not repeated here. Remember, you just need to focus on the code in red. Add this red code as shown here.



Make sure that you keep links on the same line to avoid any problems with the file/media location. This is especially important with the `<img>` and `<link>` tags.



If you are struggling with the positioning of any of the code in the book, then you can always review the final source code on pages 66-68 to see where the code needs to go.

## Tables

We will now add some more images and text to our page. However, this time we will be using a table to display them. Tables are a good way of structuring data, and are mainly used for text. In this instance, we will be adding an icon along with some text in each row.

- 1 Add the following lines in red below to create a table. This will go underneath the image we created on the previous page.

```
<body>
...
<h1>PLANET SPLENDOUR</h1>
<p>This website was created using HTML from 'The QuestKids do
Coding – Create Your First Website in easy steps' book. This is Planet
Splendour. By launching this website it will upload the power needed
to run the entire planet. This new world has the perfect climate, with
renewable energy, no pollution, rubbish is banned, in a place where
everyone gets along. A planet like no other, where everything in your
imagination is already there.</p>

<table>
  <tr>
    <td></td>
    <td>Awesome cities, towns and homes</td>
  </tr>
  <tr>
    <td></td>
    <td>Beautiful forests, lakes, oceans and mountainscapes</td>
  </tr>
  <tr>
    <td></td>
    <td>Amazing weather and wildlife</td>
  </tr>
  <tr>
    <td></td>
    <td>Renewable Energy</td>
  </tr>
  <tr>
    <td></td>
    <td>Flying cars and new technology</td>
  </tr>
</table>
</body>
</HTML>
```





## ... Tables Continued

We use the `<table>` tag to begin creating our table.






`<tr>` stands for table row. This sets up a new row.

`<td>` stands for table data. This is where we would add our text or image.

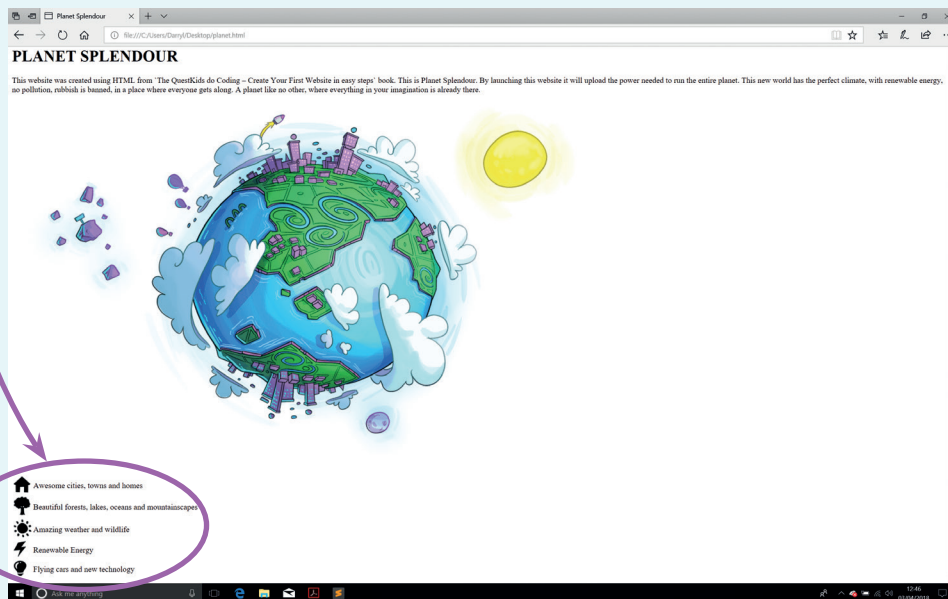
We have created 5 rows with 2 lots of data images in each row (an image and a piece of text).



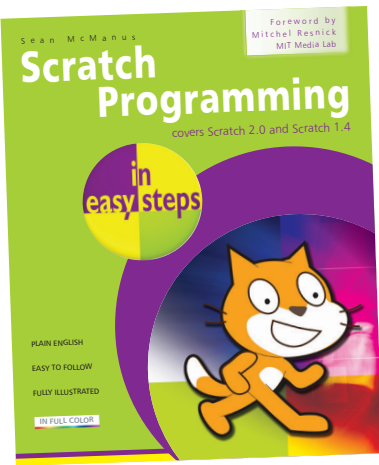
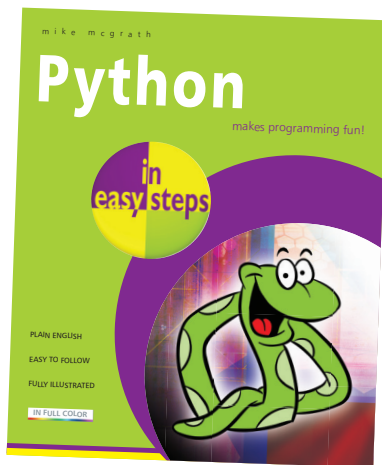
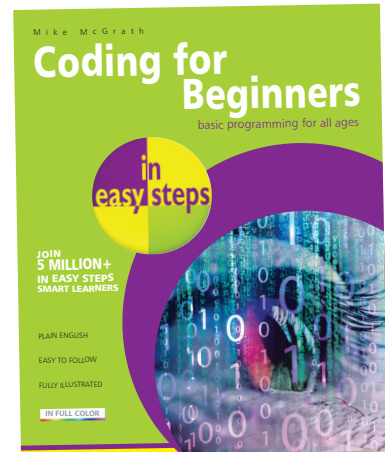
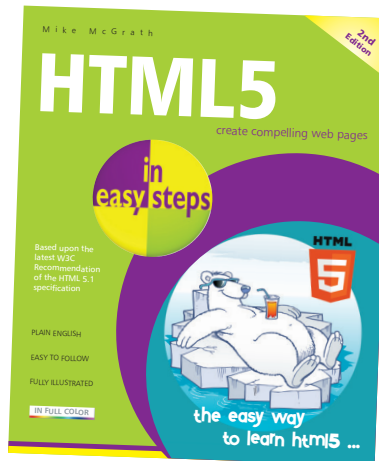
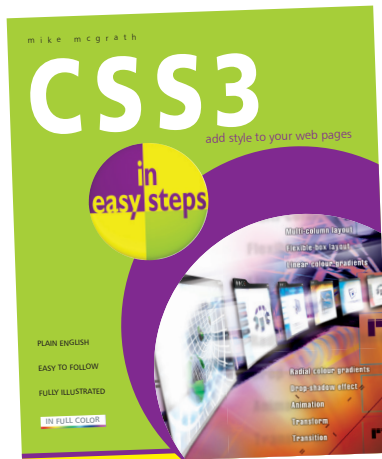
For more advanced tables, you can use tags like `<caption>`, `<thead>` and `<tbody>`.

-  Awesome cities, towns and homes
-  Beautiful forests, lakes, oceans and mountainscapes
-  Amazing weather and wildlife
-  Renewable Energy
-  Flying cars and new technology

- 2 Save the changes to your document, by clicking File > Save.  
Your webpage should now look like the screenshot below:



Enjoy this book? Want to progress further?  
Check out these popular in easy steps guides (Age 9+)

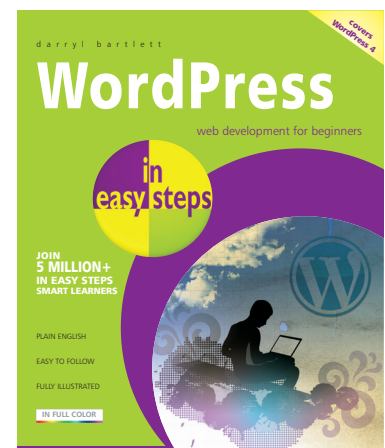


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visit [www.thequestkids.com](http://www.thequestkids.com) for the source code, further resources  
and updates on The QuestKids series

