Flow

Flow

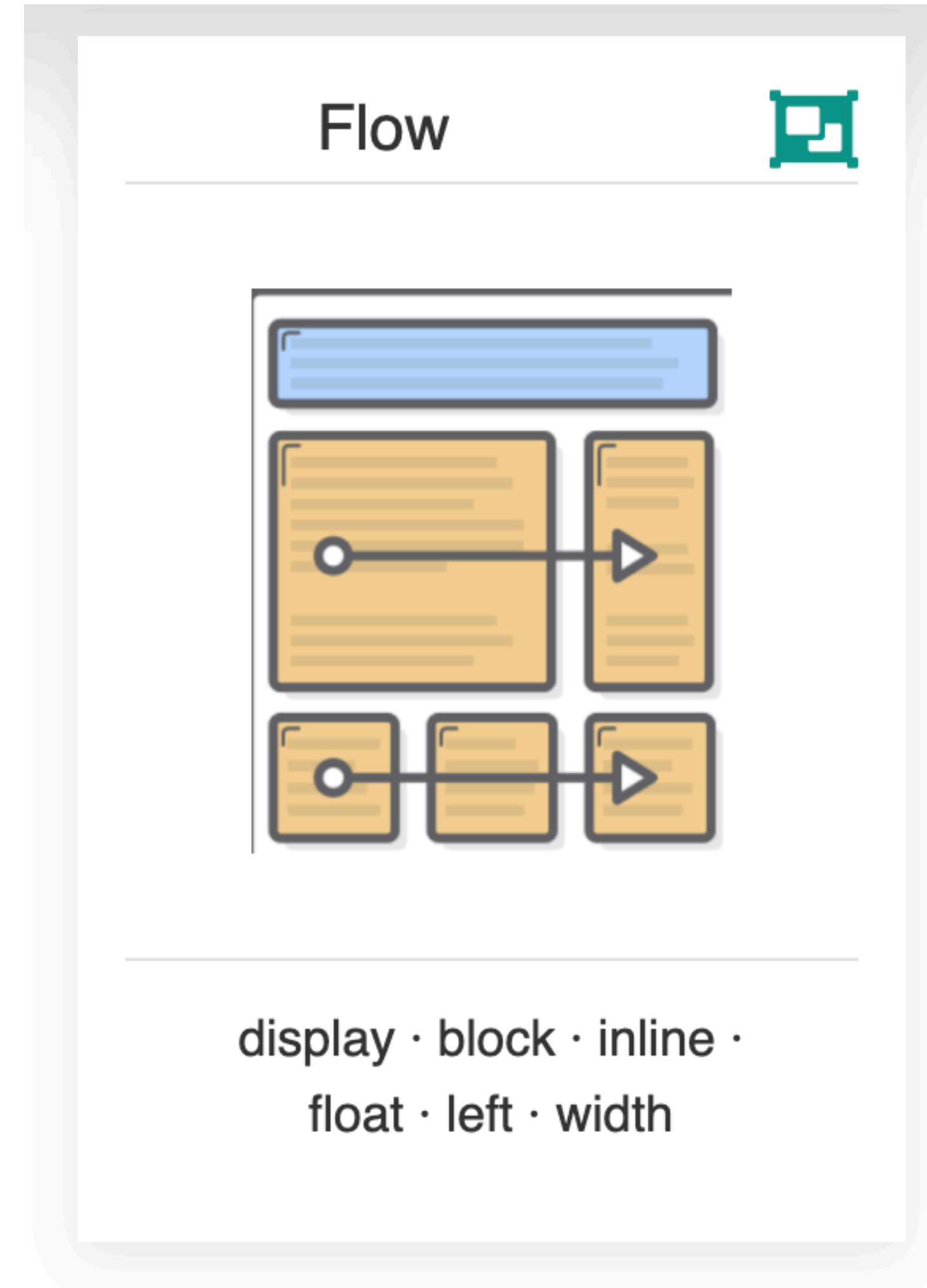display · block · inline · float · left · width

- Block vs Inline

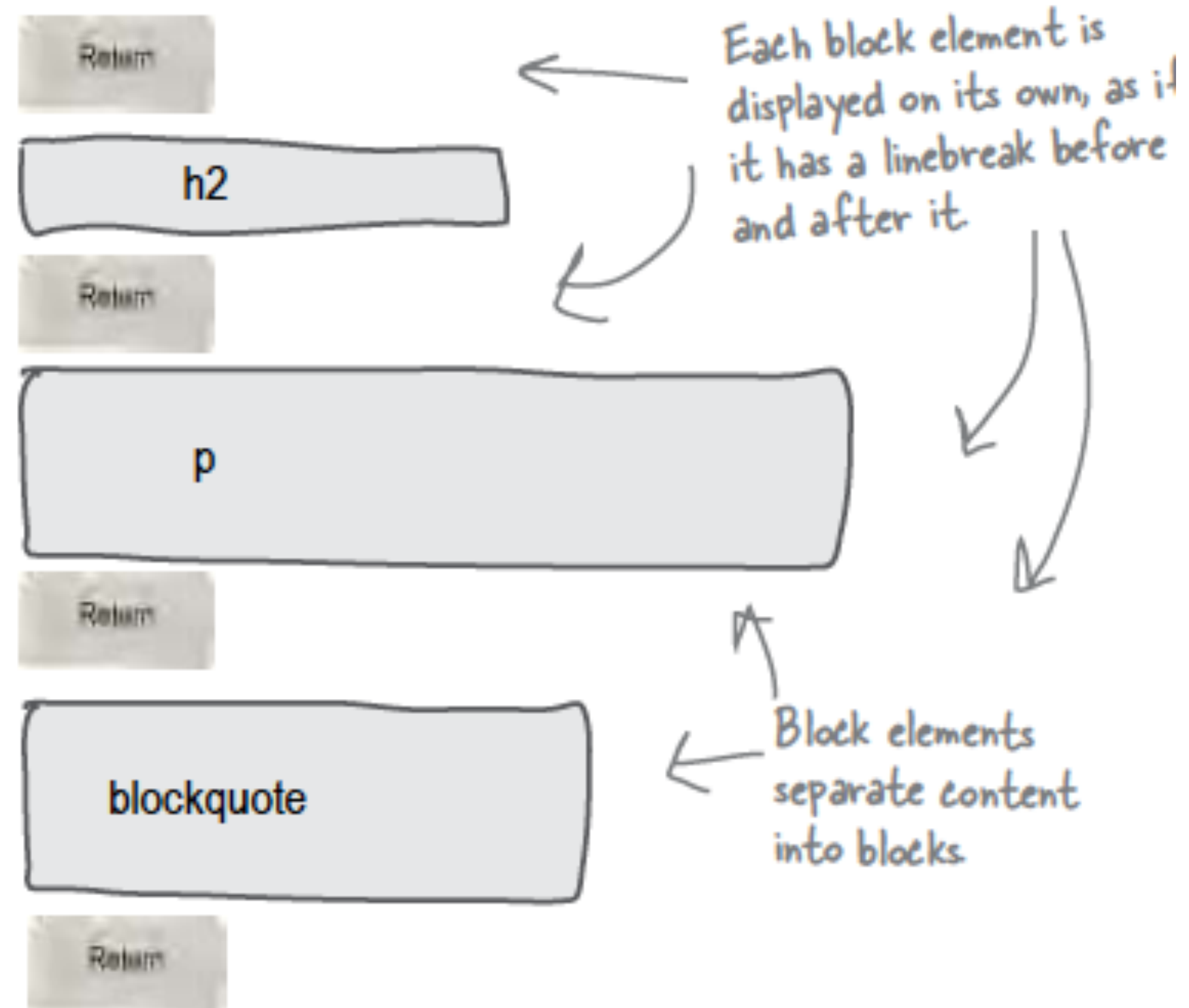- Display Property

- Float Property

- Block vs Inline

Block vs Inline Elements

- Block elements are always displayed as if they have a line break before and after them

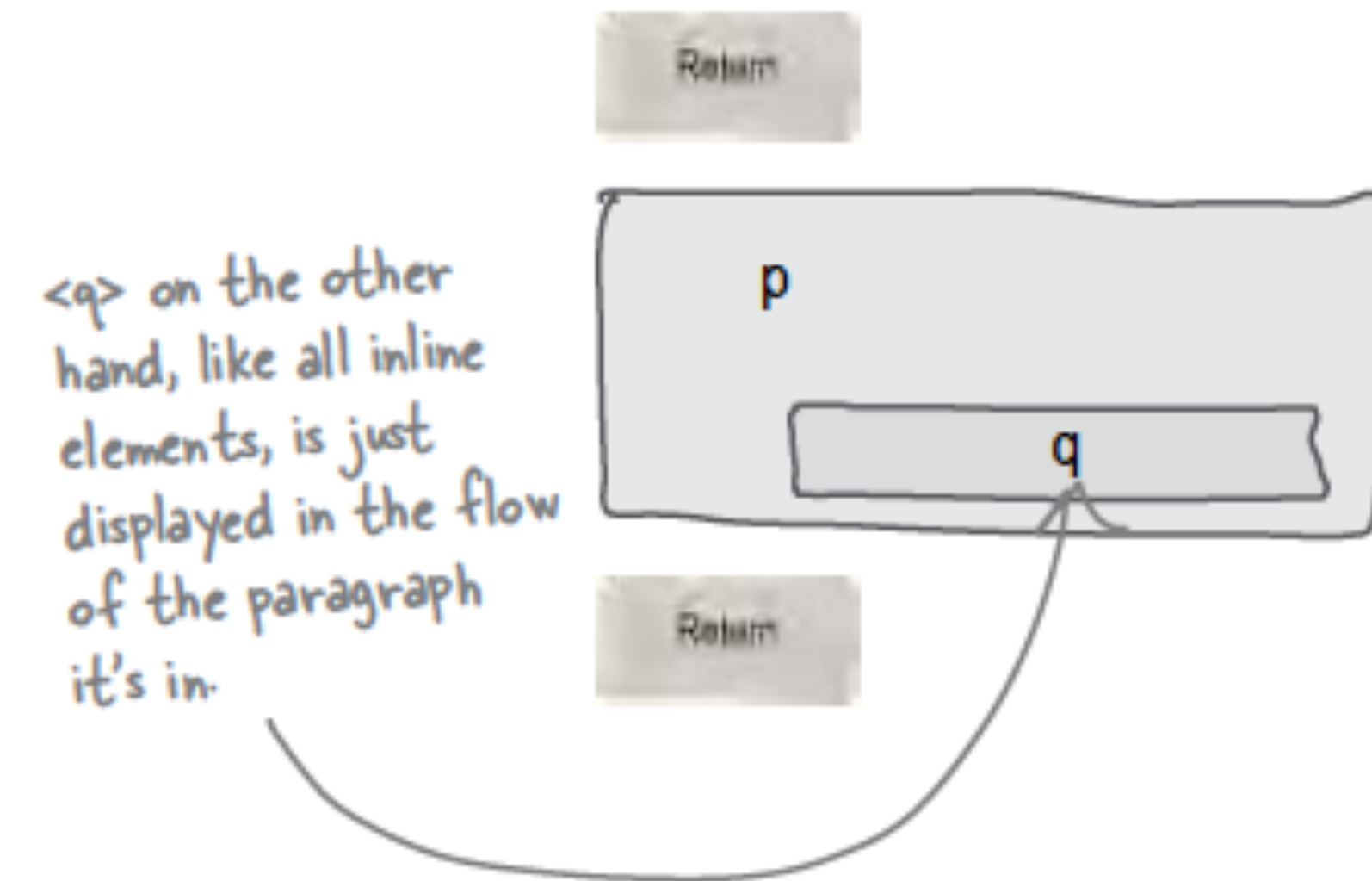- inline elements appear "in line" within the flow of the text in your page.

> "Block elements stand on their own; inline elements go with the flow."

Examples

- Block - h1, h2, p, blockquote

Return

h2

Return

Each block element is displayed on its own, as if it has a linebreak before and after it

p

Return

blockquote

Return

Block elements separate content into blocks

- Inline - a, em, q

Return

p

q

Return

<q> on the other hand, like all inline elements, is just displayed in the flow of the paragraph it's in.

Block / Inline

"Block elements stand on their own; inline elements go with the flow."

```html
<body>
  <h1>
    The Evolution of the Bicycle.
  </h1>
  <p>
    A bicycle, also called a bike or cycle, is a human-powered or
    motor-powered, pedal-driven, single-track vehicle, having two
    wheels attached to a frame, one behind the other.
    <img src="./images/bike.png"> A bicycle rider is called a
    cyclist, or bicyclist. Bicycles were introduced in the late 19th
    century in Europe, and by the early 21st century, more than 1
    billion were in existence at a given time. These numbers far
    exceed the number of cars, both in total and ranked by the number
    of individual models produced
  </p>
</body>
```

The Evolution of the Bicycle

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two wheels attached to a frame, one behind the other. A bicycle rider is called a cyclist, or bicyclist. Bicycles were introduced in the late 19th century in Europe, and by the early 21st century, more than 1 billion were in existence at a given time. These numbers far exceed the number of cars, both in total and ranked by the number of individual models produced.

- <img> is an inline element.
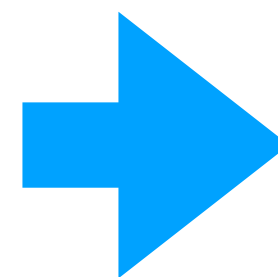
- The containing elements content flows around the image

- Display Property

Display Property

- The display property allows you to turn an inline element into a block-level element or vice versa

```
<body>
  <h1>
    The Evolution of the Bicycle.
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  <p>
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    century in Europe, and by the early 21st century, more than 1
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    of individual models produced
  </p>
</body>
```


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A bicycle, also called a bike or cycle, is a human-powered or motor-powered, pedal-driven, single-track vehicle, having two wheels attached to a frame, one behind the other.

A bicycle rider is called a cyclist, or bicyclist. Bicycles were introduced in the late 19th century in Europe, and by the early 21st century, more than 1 billion were in existence at a given time. These numbers far exceed the number of cars, both in total and ranked by the number of individual models produced.

```
img {
    display: block;
}
```

- Causes an inline element to act like a block-level element.

8

- Float Property

Normal Flow

```
<body>
  <h1>
    The Evolution of the Bicycle.
  </h1>
  <blockquote>
    "Life is like riding a bicycle.To keep your balance you must keep
    moving." - Albert Einstein
  </blockquote>
  <p>
    A bicycle, also called a bike or cycle, is a human-powered or
    motor-powered, pedal-driven, single-track vehicle, having two
    wheels attached to a frame, one behind the other. A bicycle rider
    is called a cyclist, or bicyclist. Bicycles were introduced in
    the late 19th century in Europe, and by the early 21st century,
    more than 1 billion were in existence at a given time. These
    numbers far exceed the number of cars, both in total and ranked
    by the number of individual models produced.
  </p>
</body>
```

- Elements flow on a page top to bottom, left to right

The Evolution of the Bicycle

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Width

- The overall width of an element can be specified, but does not change normal flow

```html
<body>
  <h1>
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  </h1>
  <blockquote>
    "Life is like riding a bicycle.To keep your balance you must keep
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  </blockquote>
  <p>
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    motor-powered, pedal-driven, single-track vehicle, having two
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    is called a cyclist, or bicyclist. Bicycles were introduced in
    the late 19th century in Europe, and by the early 21st century,
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    numbers far exceed the number of cars, both in total and ranked
    by the number of individual models produced.
  </p>
</body>
```

```css
blockquote {
    width: 275px;
}
```

The Evolution of the Bicycle

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float: right

- The float property allows you to take an element in normal flow and place it as far to the left or right of the containing element as possible.

```
<body>
  <h1>
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  </h1>
  <blockquote>
    "Life is like riding a bicycle.To keep your balance you must keep
    moving." - Albert Einstein
  </blockquote>
  <p>
    A bicycle, also called a bike or cycle, is a human-powered or
    motor-powered, pedal-driven, single-track vehicle, having two
    wheels attached to a frame, one behind the other. A bicycle rider
    is called a cyclist, or bicyclist. Bicycles were introduced in
    the late 19th century in Europe, and by the early 21st century,
    more than 1 billion were in existence at a given time. These
    numbers far exceed the number of cars, both in total and ranked
    by the number of individual models produced.
  </p>
</body>
```

```
blockquote {
    width: 275px;
    float: right;
}
```

The Evolution of the Bicycle

A bicycle, also called a bike or cycle, is a human-powered or motor-powered, pedal-driven, single-track vehicle, having two wheels attached to a frame, one behind the other. A bicycle rider is called a cyclist, or bicyclist. Bicycles were introduced in the late 19th century in Europe, and by the early 21st century, more than 1 billion were in existence at a given time. These numbers far exceed the number of cars, both in total and ranked by the number of individual models produced.

"Life is like riding a bicycle.To keep your balance you must keep moving." - Albert Einstein

- Anything else that sits inside the containing element will flow around the element that is floated

```css
.small-right-img {
  width: 50px;
  float: right;
  margin: 10px;
}

.medium-right-img {
  width: 150px;
  float: right;
  margin: 10px;
}

.large-right-img {
  width: 250px;
  float: right;
  margin: 10px;
}

.small-left-img {
  width: 50px;
  float: left;
  margin: 10px;
}

.medium-left-img {
  width: 150px;
  float: left;
  margin: 10px;
}

.large-left-img {
  width: 250px;
  float: left;
  margin: 10px;
}

.small-centre-img {
  display: block;
  width: 50px;
  margin-left: auto;
  margin-right: auto
}

.medium-centre-img {
  display: block;
  width: 150px;
  margin-left: auto;
  margin-right: auto
}

.large-centre-img {
  display: block;
  width: 250px;
  margin-left: auto;
  margin-right: auto
}
```

```css
.container {
  display: grid;
  grid-template-columns: 5% 10% 61% 5%;
  grid-gap: 3%;
}

#header {
  grid-column-start: 2;
  grid-column-end: span 2;
}

#navigation {
  grid-column-start: 2;
}

#maincontent {
  grid-column-start: 3;
  display: grid;
  grid-template-columns: 70% 27%;
  grid-gap: 3%;
}

#primary {
  grid-column-start: 1;
}

#secondary {
  grid-column-start: 2;
}

#footer {
  grid-column-start: 2;
  grid-column-end: span 2;
}
```

Lab-3b
Multicolumn

header · maincontent ·
navigation · footer · primary ·
secondary

Lorem ipsum dolor sit

- [Mauris](#)
- [Cras](#)
- [Proin](#)
- [Integer](#)

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Sed feugiat nisi at sapien. Phasellus varius tincidunt ligula. Praesent nisi. Duis sollicitudin. Donec dignissim, est vel auctor blandit, ante est laoreet neque, non pellentesque mauris turpis eu purus.

Suspendisse mollis leo nec diam. Vestibulum pulvinar tellus sit amet nulla fringilla semper. Aenean aliquam, urna et accumsan sollicitudin, tellus pede lobortis velit, nec placerat dolor pede nec nibh. Donec fringilla. Duis adipiscing diam at enim. Vestibulum nibh.

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Fusce scelerisque viverra quam. Nam urna. Nullam urna libero, euismod at, euismod sit amet, porttitor ac, mauris.

Vestibulum interdum aliquet lacus. Vestibulum egestas. Fusce adipiscing quam sed metus.

Nullam dignissim aliquam dui. Proin laoreet, elit sed pulvinar sollicitudin, urna arcu fermentum felis, in rhoncus nunc neque vitae libero.

Ut eu velit congue, auctor nulla et, porttitor ante. Sed vestibulum sapien ac molestie blandit. Sed congue eu elit in hendrerit. Nulla iaculis libero eget bibendum faucibus. Vestibulum ornare id urna non posuere. Nulla sit amet accumsan velit. Nullam eu libero congue ante rutrum rutrum. Curabitur in tempor nunc, sed porta lectus. In gravida sit amet mauris eu fringilla. Morbi eget nisl et ligula pharetra facilisis sed ac enim. Nunc luctus, ex ut pellentesque maximus, neque turpis semper dui, vel consequat tellus augue ac massa. Vestibulum viverra, urna ac venenatis mattis, dui sem aliquet augue, vel porttitor leo sapien non nibh. Nulla facilisi.

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