THE BOX MODEL
EXAMPLE #12

THE BOX MODEL

HOW DOES THE BROWSER VIEW THIS ELEMENT?

```
<body>
  <p>
```

Harper Lee, whose first novel, "To Kill a Mockingbird," about racial injustice in a small Alabama town, sold more than 40 million copies and became one of the most beloved and most taught works of fiction ever written by an American, died on Friday in Monroeville, Ala., where she lived. She was 89.

```
  </p>
</body>
```

A SERIES OF BOXES

THE BOX MODEL
A SERIES OF BOXES

Harper Lee, whose first novel, "To Kill a Mockingbird," about racial injustice in a small Alabama town, sold more than 40 million copies and became one of the most beloved and most taught works of fiction ever written by an American, died on Friday in Monroeville, Ala., where she lived. She was 89.

IMAGINE A BOX AROUND THE ACTUAL CONTENT WHICH IS DISPLAYED ON SCREEN LET'S CALL IT THE CONTENT BOX

THE BOX MODEL
A SERIES OF BOXES

Harper Lee, whose first novel, "To Kill a Mockingbird," about racial injustice in a small Alabama town, sold more than 40 million copies and became one of the most beloved and most taught works of fiction ever written by an American, died on Friday in Monroeville, Ala., where she lived. She was 89.

THERE IS ANOTHER VIRTUAL BOX AROUND THIS ELEMENT
LET'S CALL IT THE PADDING BOX
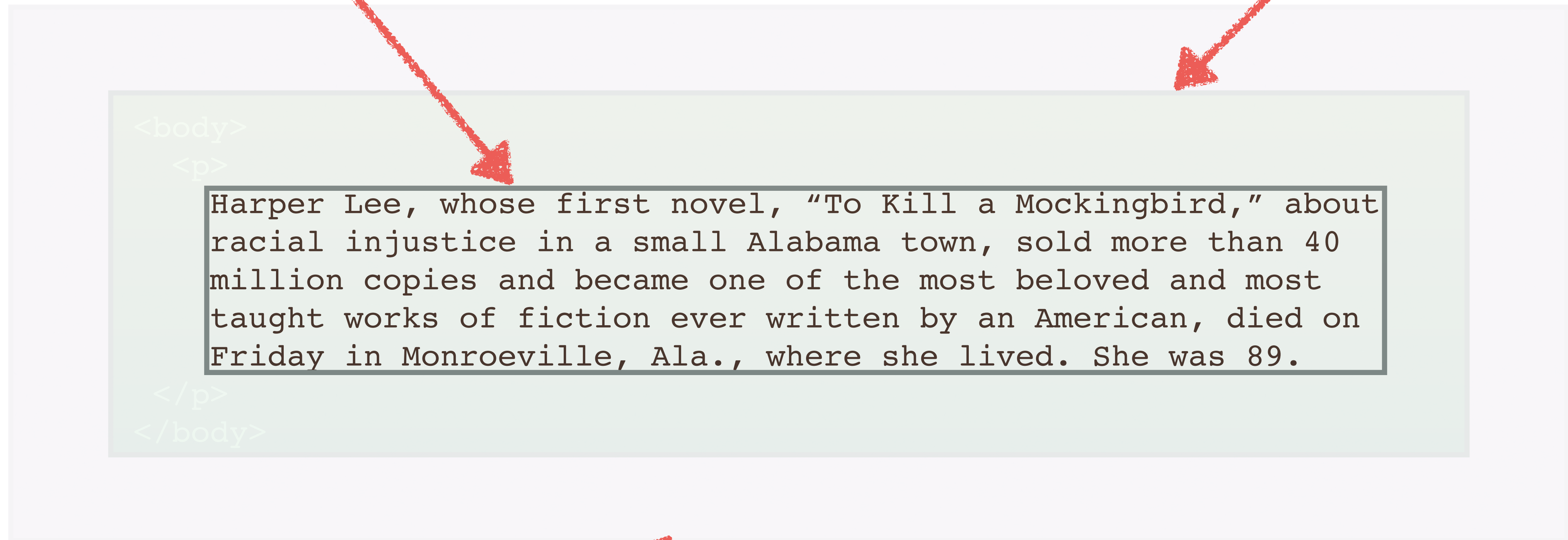
THE BOX MODEL
A SERIES OF BOXES

Harper Lee, whose first novel, "To Kill a Mockingbird," about racial injustice in a small Alabama town, sold more than 40 million copies and became one of the most beloved and most taught works of fiction ever written by an American, died on Friday in Monroeville, Ala., where she lived. She was 89.

THERE IS ONE LAST BOX AROUND THE PADDING BOX, LET'S CALL IT THE
MARGIN BOX

THE BOX MODEL

CONTENT BOX

PADDING BOX

<body>
<p>

Harper Lee, whose first novel, "To Kill a Mockingbird," about racial injustice in a small Alabama town, sold more than 40 million copies and became one of the most beloved and most taught works of fiction ever written by an American, died on Friday in Monroeville, Ala., where she lived. She was 89.
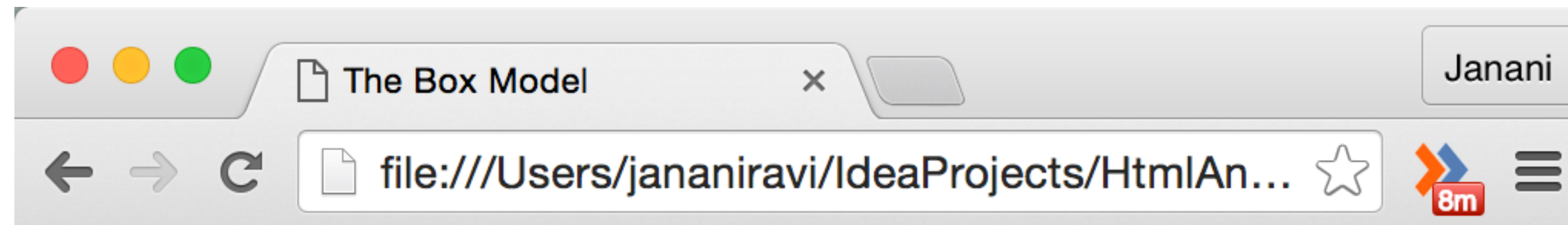
</p>
</body>

NOTE: THAT THESE ARE JUST THE NAMES WE'VE CHOSEN FOR CONVENIENCE

MARGIN BOX

THE BOX MODEL

```html
<body>
  <p>
    Harper Lee, whose first novel, "To Kill a Mockingbird," about
    racial injustice in a small Alabama town, sold more than 40
    million copies and became one of the most beloved and most
    taught works of fiction ever written by an American, died on
    Friday in Monroeville, Ala., where she lived. She was 89.
  </p>
</body>
```

The Box Model ×   Janani

← → C   file:///Users/jananiravi/IdeaProjects/HtmlAn...

Harper Lee, whose first novel, "To Kill a Mockingbird," about racial injustice in a small Alabama town, sold more than 40 million copies and became one of the most beloved and most taught works of fiction ever written by an American, died on Friday in Monroeville, Ala., where she lived. She was 89.
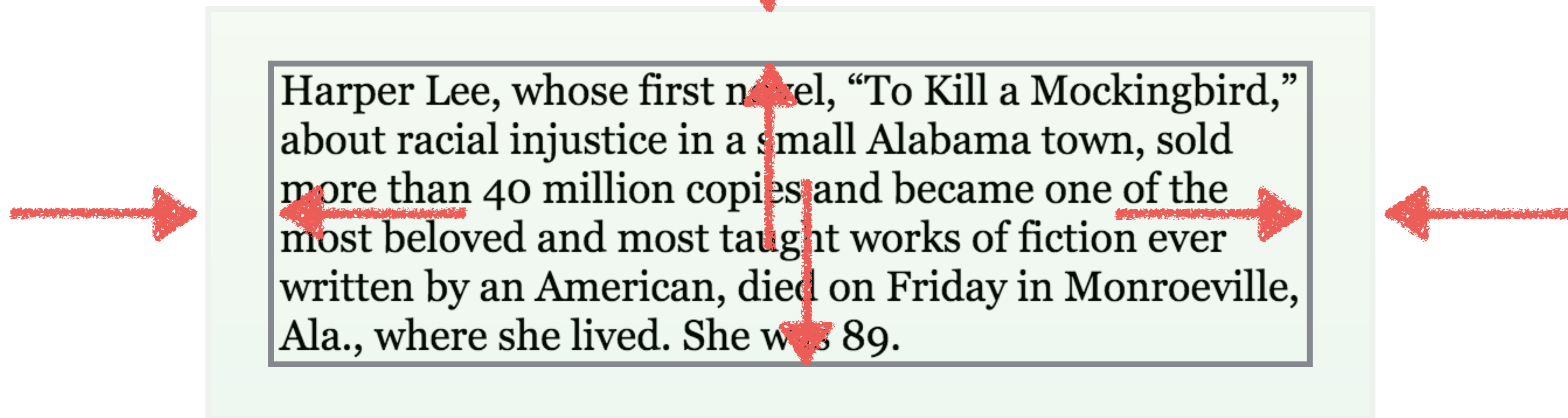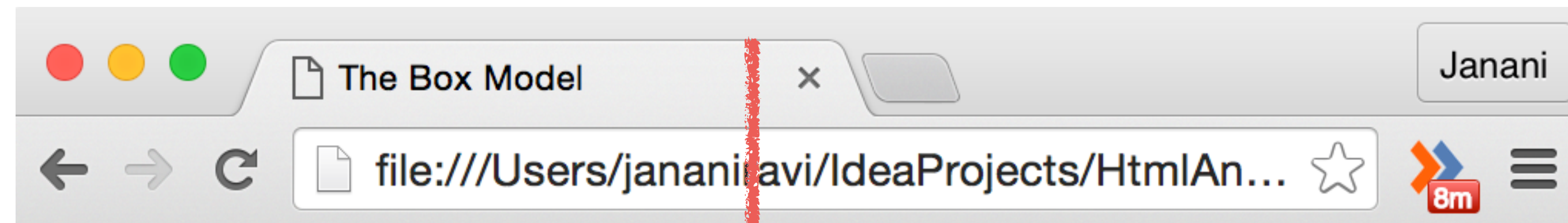
THIS IS JUST THE CONTENT

THE BOX MODEL

```
<body>
  <p>
    Harper Lee, whose first novel, "To Kill a Mockingbird," about
    racial injustice in a small Alabama town, sold more than 40
    million copies and became one of the most beloved and most
    taught works of fiction ever written by an American, died on
    Friday in Monroeville, Ala., where she lived. She was 89.
  </p>
</body>
```

```
p {
    padding: 12px;
}
```

The Box Model

file:///Users/jananiravi/IdeaProjects/HtmlAn...

Janani

Harper Lee, whose first novel, "To Kill a Mockingbird," about racial injustice in a small Alabama town, sold more than 40 million copies and became one of the most beloved and most taught works of fiction ever written by an American, died on Friday in Monroeville, Ala., where she lived. She was 89.

THERE IS 12PX PADDING ALL AROUND THE CONTENT!

THE BOX MODEL

```
<body>
  <p>
    Harper Lee, whose first novel, "To Kill a Mockingbird," about
    racial injustice in a small Alabama town, sold more than 40
    million copies and became one of the most beloved and most
    taught works of fiction ever written by an American, died on
    Friday in Monroeville, Ala., where she lived. She was 89.
  </p>
</body>
```
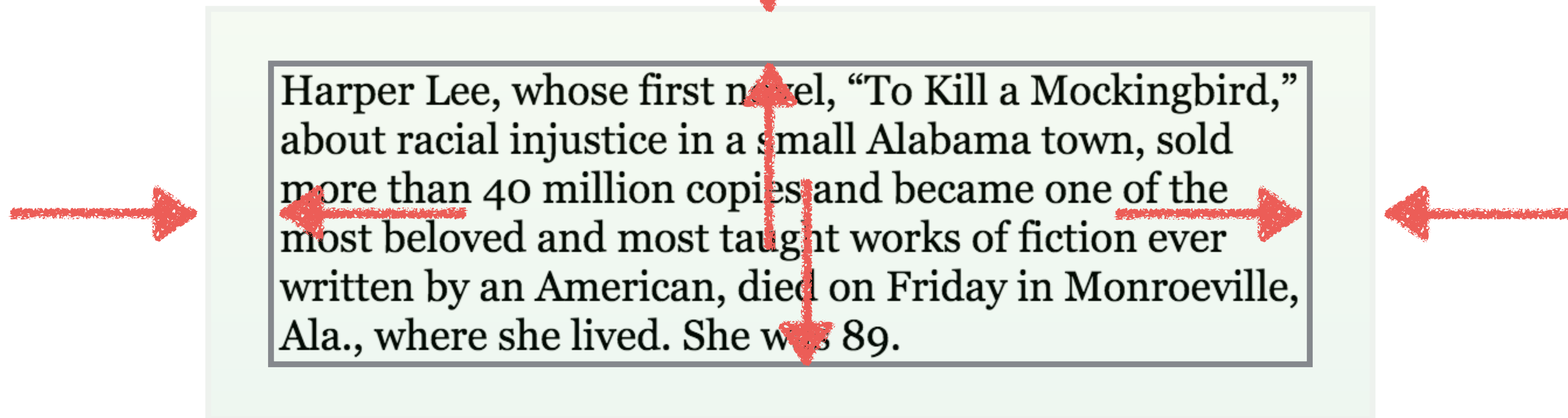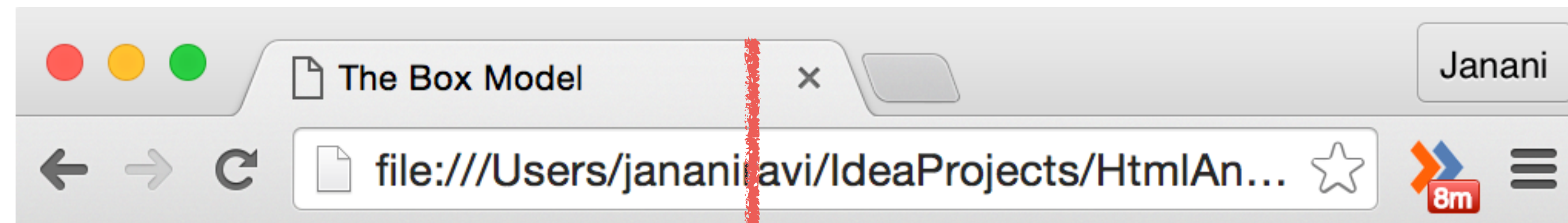
```
p {
    padding: 12px 12px 12px 12px;
}
```


THIS DOES THE EXACT SAME THING!

THE BOX MODEL

```
p {
    padding: 12px 12px 12px 12px;
}
```

RIGHT LEFT TOP BOTTOM

```
p {
    padding: 24px 12px 24px 12px;
}
```

YOU CAN SPECIFY EACH MARGIN TO HAVE A DIFFERENT VALUE

THE BOX MODEL

```
p {
    padding: 24px 12px 24px 12px;
}
```

```
p {
    padding: 24px 12px;
}
```
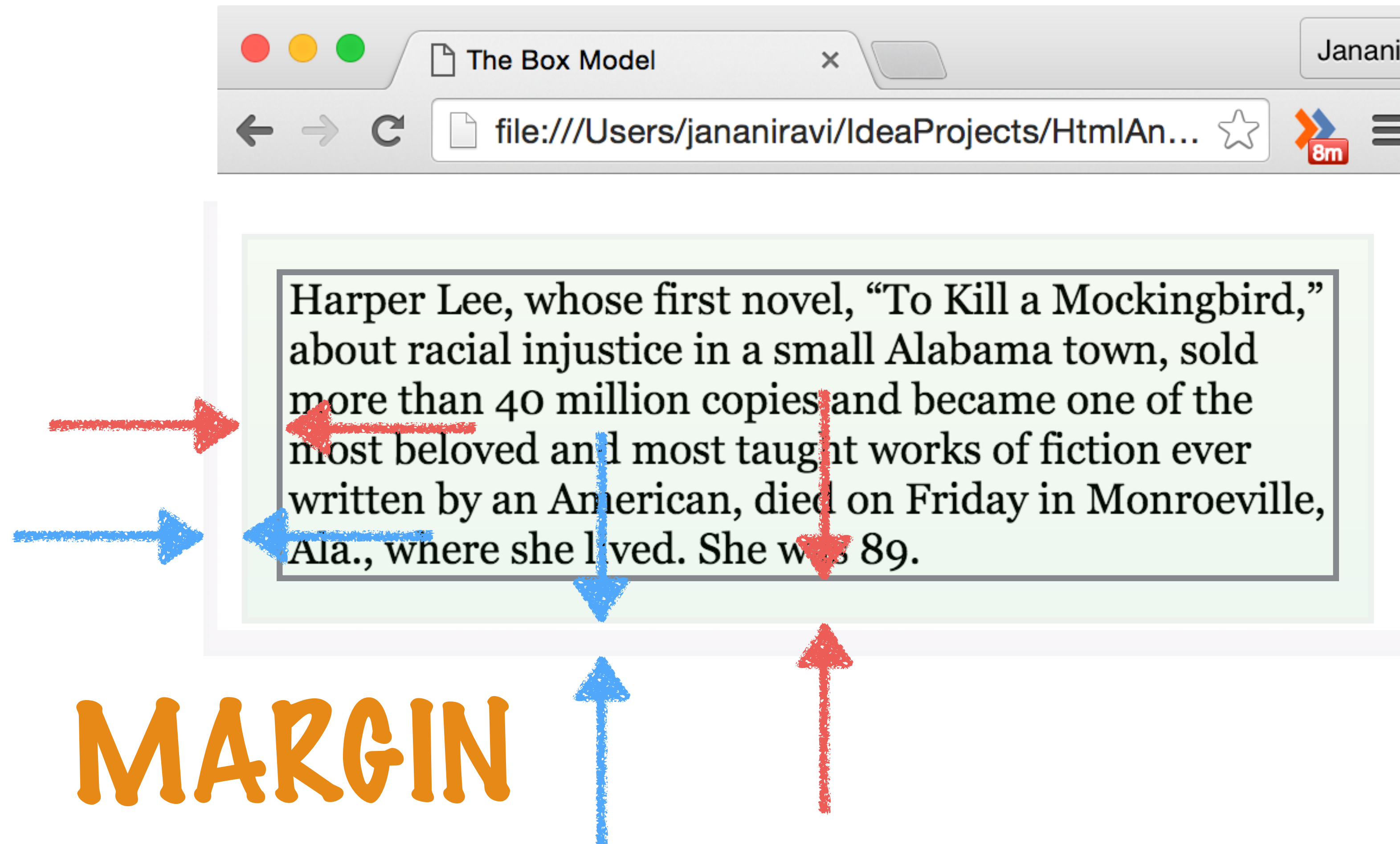
TOP   RIGHT

BOTTOM LEFT

THE BOX MODEL

```
p {
    padding: 24px 12px 24px 12px;
}

    p {
        padding-top: 24px;
        padding-right: 12px;
        padding-bottom: 4px;
        padding-left: 12px
    }
```
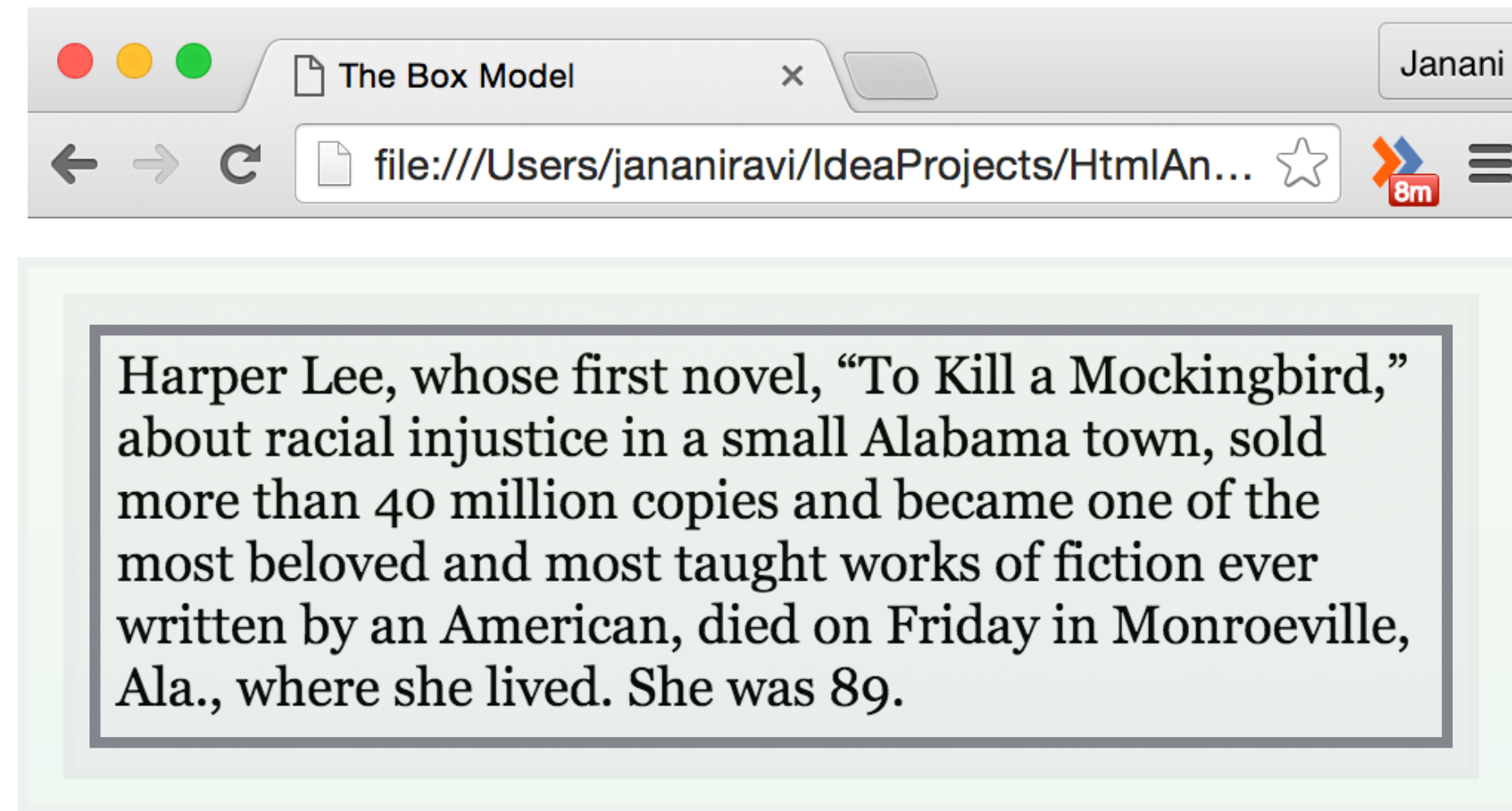
THE BOX MODEL

```
p {
    padding: 12px;
    margin: 6px;
}
```

IN ADDITION TO PADDING
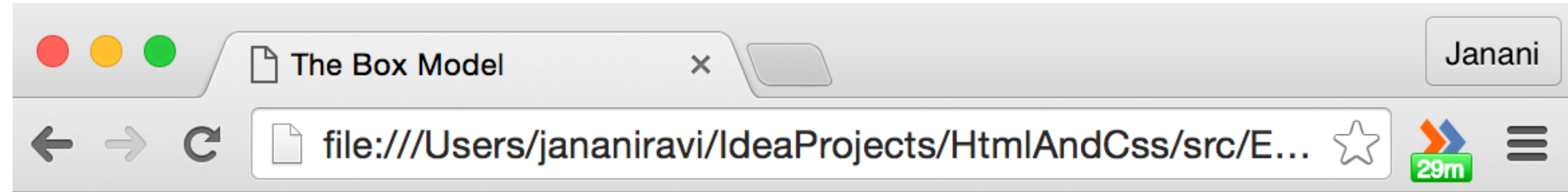WE HAVE A 6PX MARGIN

The Box Model

file:///Users/jananiravi/IdeaProjects/HtmlAn...

Janani

Harper Lee, whose first novel, "To Kill a Mockingbird," about racial injustice in a small Alabama town, sold more than 40 million copies and became one of the most beloved and most taught works of fiction ever written by an American, died on Friday in Monroeville, Ala., where she lived. She was 89.

MARGIN

THE BOX MODEL

```
p {
    padding: 12px;
    margin: 6px;
}
```


DID THIS MAKE A DIFFERENCE TO THE LAYOUT....?

THE BOX MODEL

```
p {
    padding: 12px;
    margin: 12px;
    background-color: aquamarine;
}
```
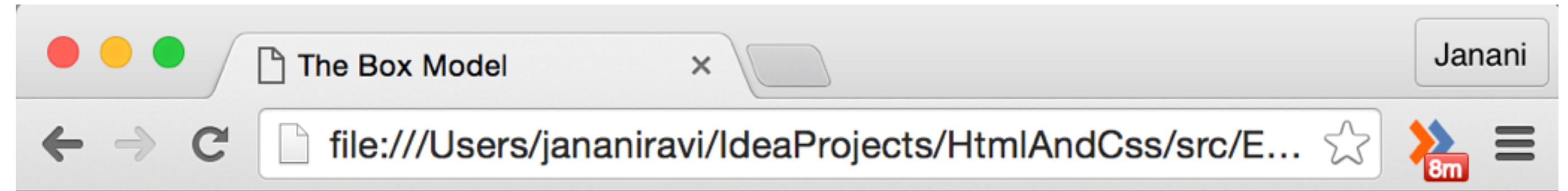
The Box Model × Janani

file:///Users/jananiravi/IdeaProjects/HtmlAndCss/src/E...

Harper Lee, whose first novel, "To Kill a Mockingbird," about racial injustice in a small Alabama town, sold more than 40 million copies and became one of the most beloved and most taught works of fiction ever written by an American, died on Friday in Monroeville, Ala., where she lived. She was 89.

THE MARGIN IS OUTSIDE THE ELEMENT (BUT INSIDE THE PARENT ELEMENT). THE BACKGROUND COLOR ON <p> DOES NOT INCLUDE THE MARGIN

THE PADDING IS INCLUDED IN THE ELEMENT AND THE BACKGROUND COLOR APPLIES TO THE PADDING

THE BOX MODEL

```
p {
    padding: 12px;
    margin: 12px;
    background-color: aquamarine;
    border-color: #de1515;
    border-width: 3px;
    border-style: solid;

}
```

The Box Model ×   Janani

file:///Users/jananiravi/IdeaProjects/HtmlAndCss/src/E...

Harper Lee, whose first novel, "To Kill a Mockingbird," about racial injustice in a small Alabama town, sold more than 40 million copies and became one of the most beloved and most taught works of fiction ever written by an American, died on Friday in Monroeville, Ala., where she lived. She was 89.
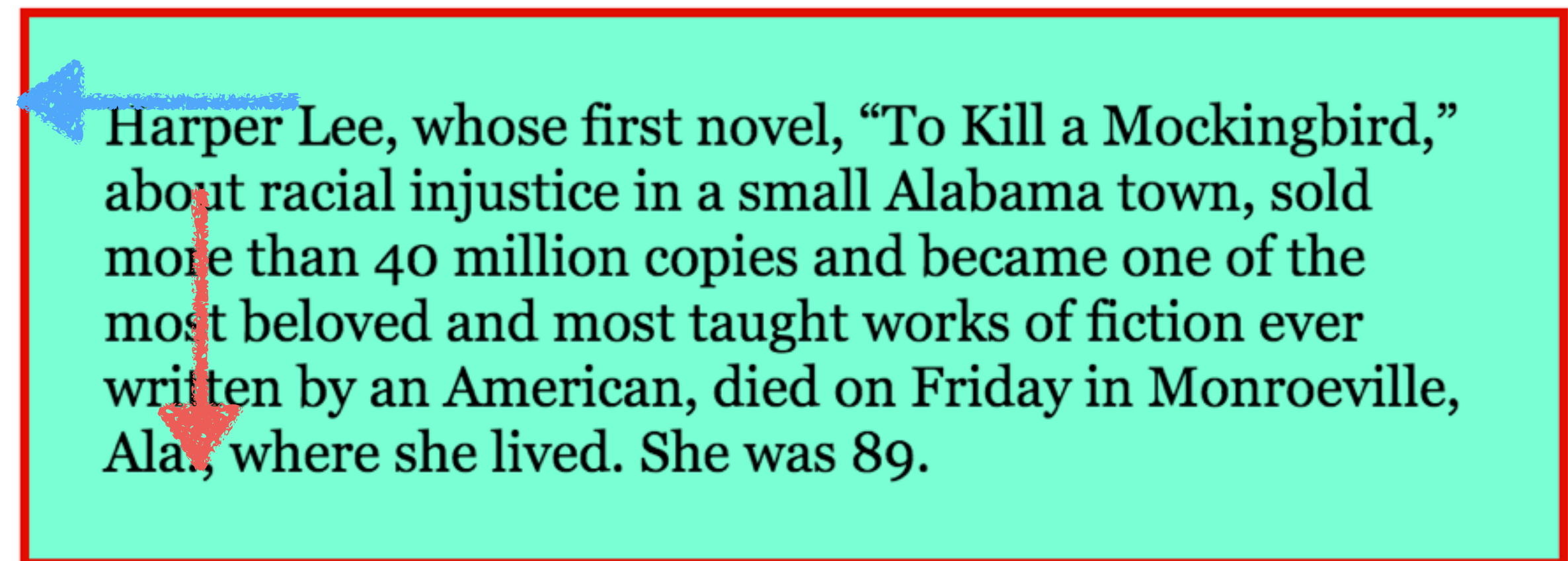
THE BORDER INCLUDES THE PADDING BUT NOT THE MARGIN

THE BOX MODEL

```
p {
    padding: 12px;
    margin: 12px;
    background-color: aquamarine;
    border-color: #de1515;
    border-width: 3px;
    border-style: solid;
}
```

YOU CAN SPECIFY THE COLOR OF THE BORDER

THE BOX MODEL

```
p {
    padding: 12px;
    margin: 12px;
    background-color: aquamarine;
    border-color: #de1515;
    border-width: 3px;
    border-style: solid;
}
```

THE WIDTH OF THE BORDER

YOU CAN ALSO SPECIFY THIN, MEDIUM, THICK - EACH BROWSER INTERPRETS THAT DIFFERENTLY

THE BOX MODEL

```
p {
    padding: 12px;
    margin: 12px;
    background-color: aquamarine;
    border-color: #de1515;
    border-width: 3px;
    border-style: solid;
}
```

THE BORDER STYLE - SOLID, DASHED, DOTTED. GROOVE ETC

THE BOX MODEL

PADDING VS MARGIN

PADDING IS WITHIN AN ELEMENT

BORDER IS BETWEEN 2 ELEMENTS, IT'S OUTSIDE AN ELEMENT

THE BOX MODEL

RIGHT   LEFT

```
p {
    margin: 12px 12px 12px 12px;
}
```

TOP   BOTTOM

```
p {
    margin: 24px 12px 24px 12px;
}
```

YOU CAN SPECIFY EACH MARGIN TO HAVE A DIFFERENT VALUE

THE BOX MODEL

```
p {
    margin: 24px 12px 24px 12px;
}
```

```
p {                    TOP   RIGHT
    margin: 24px 12px;
}                    BOTTOM  LEFT
```

THE BOX MODEL

A FEW MISCELLANEOUS THINGS TO REMEMBER
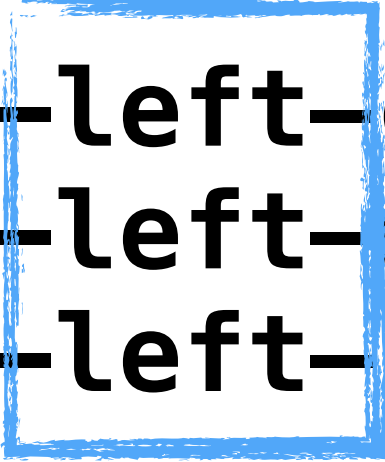
```
p {
    margin: 24px 12px 24px 12px;
}

  p {
        margin-top: 24px;
        margin-right: 12px;
        margin-bottom: 4px;
        margin-left: 12px
    }
```

THE BOX MODEL

THE BORDER PROPERTY CAN ALSO BE USED WITH LEFT, RIGHT, TOP AND BOTTOM

```css
p {
    border-left-color: #de1515;
    border-left-width: 3px;
    border-left-style: solid;
}
```

THE BOX MODEL

ONE LAST WORD ABOUT BORDERS

THEY CAN HAVE ROUNDED CORNERS!

```
border-radius: 32px
```

THE BOX MODEL

THEY CAN HAVE ROUNDED CORNERS!

`border-radius: 32px`

Harper Lee, whose first novel, "To Kill a Mockingbird," about racial injustice in a small Alabama town, sold more than 40 million copies and became one of the most beloved and most taught works of fiction ever written by an American, died on Friday in Monroeville, Ala., where she lived. She was 89.

THE BOX MODEL

THEY CAN HAVE ROUNDED CORNERS!

`border-top-right-radius: 32px`

YOU CAN APPLY THIS TO INDIVIDUAL CORNERS AS WELL

THE BOX MODEL

BORDER SHORTHAND

WIDTH

`border: solid 2px #de1515`

STYLE   COLOR

EACH OF THESE ARE OPTIONAL AND YOU CAN LEAVE OUT ANY OF THEM AND STILL HAVE A VALID CSS BORDER STYLE