

# Creating a Personal Blog on IBM Cloud Static Web Apps in Cloud Computing

## Introduction

In today's digital age, having an online presence is essential. Whether you're a developer, a writer, or just passionate about a particular topic, creating a personal blog can help you share your thoughts and expertise with the world. With the advent of cloud computing, hosting a website has become easier and more efficient. In this project, we'll explore how to create a personal blog using IBM Cloud's Static Web Apps service, which leverages cloud computing technologies to host static websites seamlessly.

## Prerequisites

- Basic understanding of HTML, CSS, and JavaScript.
- An IBM Cloud account. If you don't have one, you can sign up [here](<https://cloud.ibm.com/registration>).
- Basic knowledge of using the IBM Cloud dashboard.

## Step 1: Set Up Your Blogging Environment

1. Create a New Static Web App:
  - Log in to your IBM Cloud account.
  - Go to the IBM Cloud dashboard and create a new Static Web App.
  - Configure the basic settings such as the app name, region, and source repository (GitHub, GitLab, or Bitbucket).
2. Set Up Your Repository:
  - Create a new repository on GitHub, GitLab, or Bitbucket to store your blog's source code.
  - Add necessary HTML, CSS, and JavaScript files for your blog's layout and design.

## Step 2: Design Your Blog

1. Create the Basic Layout:
  - Design a clean and user-friendly layout for your blog using HTML and CSS.
  - Ensure the layout is responsive to different screen sizes (desktop, tablet, mobile).
2. Add Blog Posts:
  - Create separate HTML files for each blog post.
  - Include metadata such as post title, author, date, and categories in your HTML files.
  - Use CSS to style your blog posts and make them visually appealing.

## Step 3: Implement Cloud Computing Features

1. Integrate Cloud Storage:
  - Use IBM Cloud Object Storage to store media files such as images and videos for your blog posts.
  - Implement a mechanism to upload and retrieve media files from the cloud storage.

## 2. Implement CDN (Content Delivery Network):

- Leverage IBM Cloud CDN to distribute your blog content globally, ensuring faster loading times for users across different regions.

## 3. Enable HTTPS:

- Set up SSL/TLS certificates to enable secure HTTPS connections for your blog using IBM Cloud services.

## Step 4: Add Dynamic Features (Optional)

### 1. Implement Contact Form:

- Create a contact form using HTML and JavaScript to allow readers to get in touch with you.
- Use serverless functions (such as IBM Cloud Functions) to handle form submissions.

### 2. Integrate Comments Section:

- Implement a comments section for each blog post using third-party services like Disqus or create a custom solution using serverless functions and a NoSQL database like IBM Cloudant.

## Step 5: Deploy and Test Your Blog

### 1. Deploy Your Static Web App:

- Connect your blog repository to your IBM Cloud Static Web App.
- Trigger a build and deploy your blog to see how it looks in the live environment.

### 2. Test Across Devices:

- Test your blog on different devices and browsers to ensure a seamless user experience.

## Designing and developing the static travel blog website.

### index.html

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Travel Diaries</title>
  <link rel="stylesheet" href="styles.css">
</head>

<body>
  <header>
    <h1>Travel Diaries</h1>
    <nav>
      <ul>
        <li><a href="#home">Home</a></li>
```

```

        <li><a href="#about">About</a></li>
        <li><a href="#blog">Blog</a></li>
        <li><a href="#contact">Contact</a></li>
    </ul>
</nav>
</header>
<section id="home">
    <div class="hero1">
        <h2>Explore the World with Us</h2>
        <p>Discover amazing places, cultures, and adventures.</p>
    </div>
</section>

</section>
<!--=====Banner=====-->
<section class="banner">
    <div class="banner-text-item">
        <div class="banner-heading">
            <h1>Find your Next tour!</h1>
        </div>
        <form class="form">
            <input type="text" list="mylist" placeholder="Where would you like to go?">
            <datalist id="mylist">
                <option>OOTY,NILGIRIS</option>
                <option>AGAR,UTTAR PRADESH</option>
                <option>VARANASI, UTTAR PRADESH</option>
                <option>LADAKH, JAMMU AND KASHMIR</option>
                <option>KOLKATA ,WEST BENGAL</option>
                <option>THE KERALA BACKWATERS</option>

            </datalist>
            <input type="date" class="date">
            <a href="#" class="book">book</a>
        </form>
    </div>
</section>

<section id="about">
    <div class="content">
        <h2>About Us</h2>
        <p id="uni">Welcome to Explore the world website - Your Gateway to
        Extraordinary Adventures!

```

Discover the world with ease and excitement at Explore the world website. We are your ultimate travel companion, dedicated to curating unforgettable journeys for wanderlust souls. Whether you're a solo explorer, a couple seeking romance, or a family in pursuit of memorable moments, our website is your passport to unparalleled travel experiences.</p>

<p>Why Choose Us?</p>

<ol>

<li>Tailored Travel Experiences</li>

<li>Handpicked Destinations</li>

<li>Seamless Booking</li>

<li>Local Expertise</li>

<li>Customer Care</li>

</ol>

</div>

</section>

<section id="blog">

<div class="content">

<h2>Latest Posts</h2>

<dl>

<dt>OOTY,NILGIRIS</dt><br>

<dd>Ooty, nestled in the Nilgiris, paints memories of mist-kissed mountains, vibrant botanical gardens, and the soothing melody of tea plantations. A train ride on the Nilgiri Mountain Railway, a walk through the fragrant tea estates, and the taste of freshly brewed Nilgiri tea – these moments are etched in the heart forever."Ooty Special" refers to something unique or specific to the town of Ooty, which is a popular hill station located in the Nilgiri Hills of Tamil Nadu, India. Ooty, officially known as Udagamandalam, is renowned for its scenic beauty, pleasant weather, and various attractions.</dd><br>

<br><br>

<dt>AGAR,UTTAR PRADESH</dt><br>

<dd>Agar, Uttar Pradesh, is a charming town known for its simplicity and warmth. The memories of Agar are like fragments of a beautiful dream—vibrant marketplaces filled with colorful textiles, the aroma of street food wafting through the air, and the smiles of locals that make you feel at home. Walking through its narrow lanes, one can't help but be captivated by the town's rich history, echoed in its ancient temples and heritage buildings. Agar, Uttar Pradesh, is not just a place; it's an experience etched in the heart, reminding you of the beauty in life's simple pleasures.</dd>

<br><br>

<dt>VARANASI, UTTAR PRADESH</dt><br>

<dd>Varanasi, Uttar Pradesh, is a city that lingers in the soul long after you leave. Its vibrant ghats along the Ganges River, adorned with flickering oil lamps and echoing with the chants of priests, create an enchanting atmosphere. The narrow, bustling lanes are a maze of spirituality and culture, where every corner tells a story of ancient wisdom and tradition. The taste of hot chai and the scent of marigold flowers blend in the air, making every moment in Varanasi a sensory delight. From the mesmerizing Ganga Aarti to the peaceful boat rides at sunrise, Varanasi's memories are a poetic symphony of spirituality and life, etched in the memory forever.</dd><br>

<br><br>

#### <dt>LADAKH, JAMMU AND KASHMIR</dt><br>

<dd>Ladakh, Jammu, and Kashmir, evoke memories of breathtaking landscapes—towering snow-capped mountains, serene monasteries perched on hillsides, and vast expanses of pristine lakes. The crisp mountain air, adorned with the scent of juniper, fills your lungs with freshness. The warm smiles of the Ladakhi people and the melodic sound of prayer flags rustling in the wind create an atmosphere of unmatched peace. Whether it's the adrenaline rush from exploring high mountain passes or the tranquility of a quiet moment by Pangong Lake, Ladakh's memories are a tapestry of adventure, spirituality, and aweinspiring natural beauty, eternally etched in the heart.</dd><br>

<br><br>

#### <dt>KOLKATA ,WEST BENGAL</dt><br>

<dd>Kolkata, West Bengal, is a city that pulsates with life. Memories of Kolkata are flavored with the aroma of street food, the melodious tunes of Rabindra Sangeet, and the rich cultural heritage reflected in its colonial architecture. The city's iconic yellow taxis and the Howrah Bridge are symbols of its vibrant spirit. From Durga Puja celebrations that light up the streets to intellectual discussions in its coffee houses, Kolkata's memories are a blend of art, literature, and a warm sense of community, leaving a sweet, lasting impression on every visitor.</dd><br>

<br><br>

#### <dt>THE KERALA BACKWATERS</dt><br>

<dd>The Kerala backwaters are a tranquil paradise, where memories are woven with the gentle ripples of water and the soothing melody of nature. Each moment spent cruising these serene waterways on traditional houseboats is a blissful escape. The emerald green landscape, lined with coconut palms, reflects in the clear waters, creating a mesmerizing tableau. The chirping of birds and the occasional splash of a fish add to the symphony of peace. The memories of the Kerala backwaters are like a serene painting come to life, leaving an indelible mark of tranquility and beauty in the heart.</dd><br>

<br><br>

```

        </dl>
      </dd>
    </div>
  </section>

  <section id="contact">
    <div class="content">
      <h2>Contact Us</h2>
      <p> Mob No : 9876543210 <br>
        Email id :abc@gmail.com
      </p>
      
    </div>
  </section>
</body>
</html>

```

### index.css

```

body {
  font-family: Arial, sans-serif;
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

```

```

header { background-
color: #333;
color: white;
padding: 1rem;
text-align: center;
}

```

```

nav ul {
  list-style:
none; padding:
0; }

```

```

nav ul li {
  display: inline;
margin: 0 20px; }

```

```

nav ul li a {

```

```
color: white; text-
decoration: none;
}

.hero { background-image: url('travel-
hero.jpg'); background-size: cover;
color: white;
text-align: center;
padding: 150px 0;
}

.content { max-
width: 800px;
margin: 0 auto;
padding: 20px; }

footer {
background-color:
#333; color: white; text-
align: center; padding:
1rem; position: fixed;
bottom: 0; width: 100%;
}

/* Add media queries for responsiveness */
@media (max-width: 768px) {
header {
padding: 0.5rem;
}

nav ul li {
margin: 0 10px;
}

.hero { padding:
100px 0;
}
}
h1,h2{
text-align: center;
font-family: sans-serif;
}
p{
```

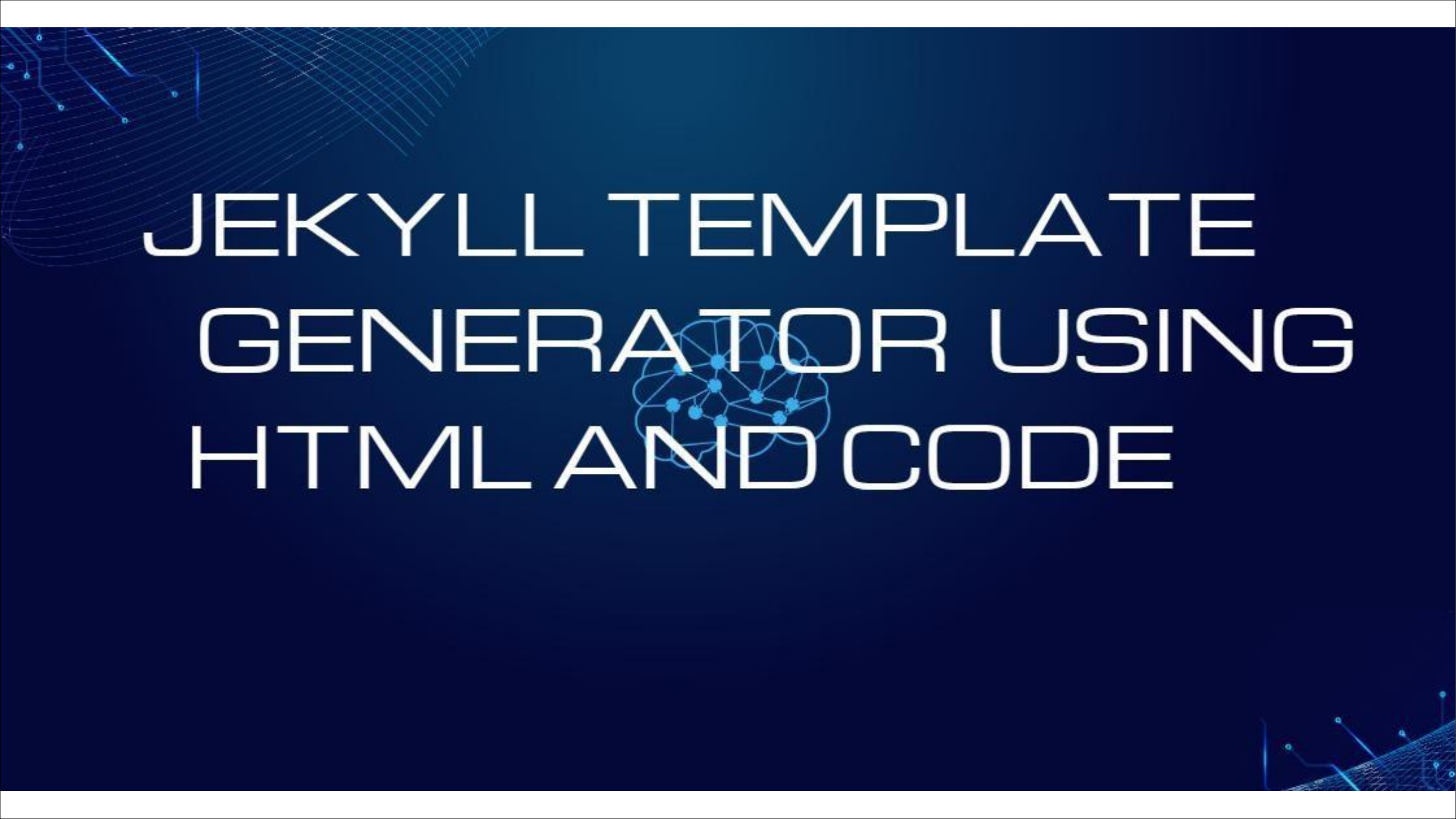
```
text-align: center; font-
size: 100 px;
}
#uni{
text-align: left; font-
size: 500 px;
font-family:Arial, Helvetica, sans-
serif; color:black; } ol{ color:red;

}
dt:hover{
color: white;
font-family: Verdana, Geneva, Tahoma, sans-serif;
font-size: larger; background-
color: red;
} dd{ font: size
20em;;
}
```

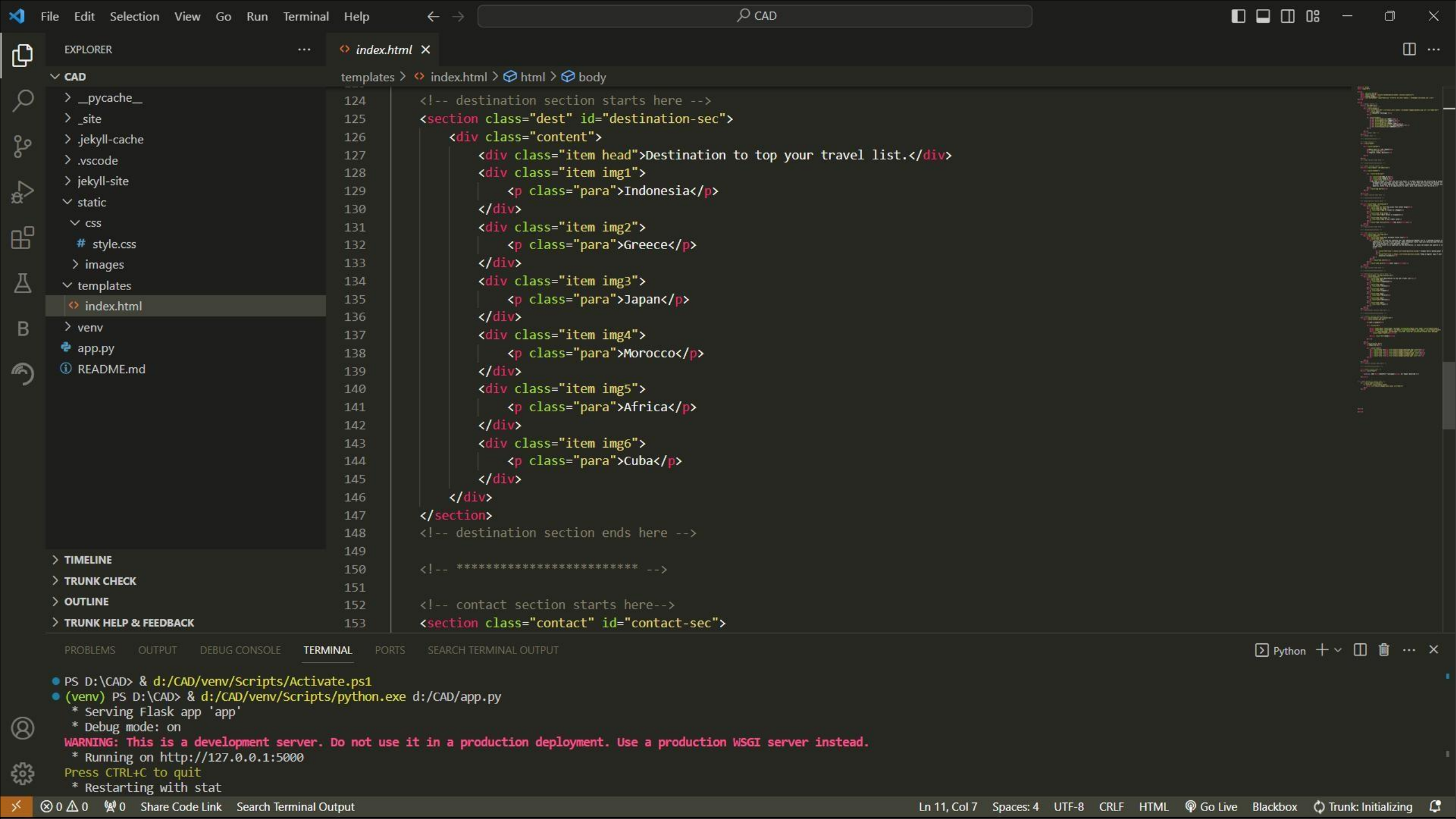


# ***JEKYLL - A STATIC SITE GENERATOR TO MANAGE BLOG CONTENT***

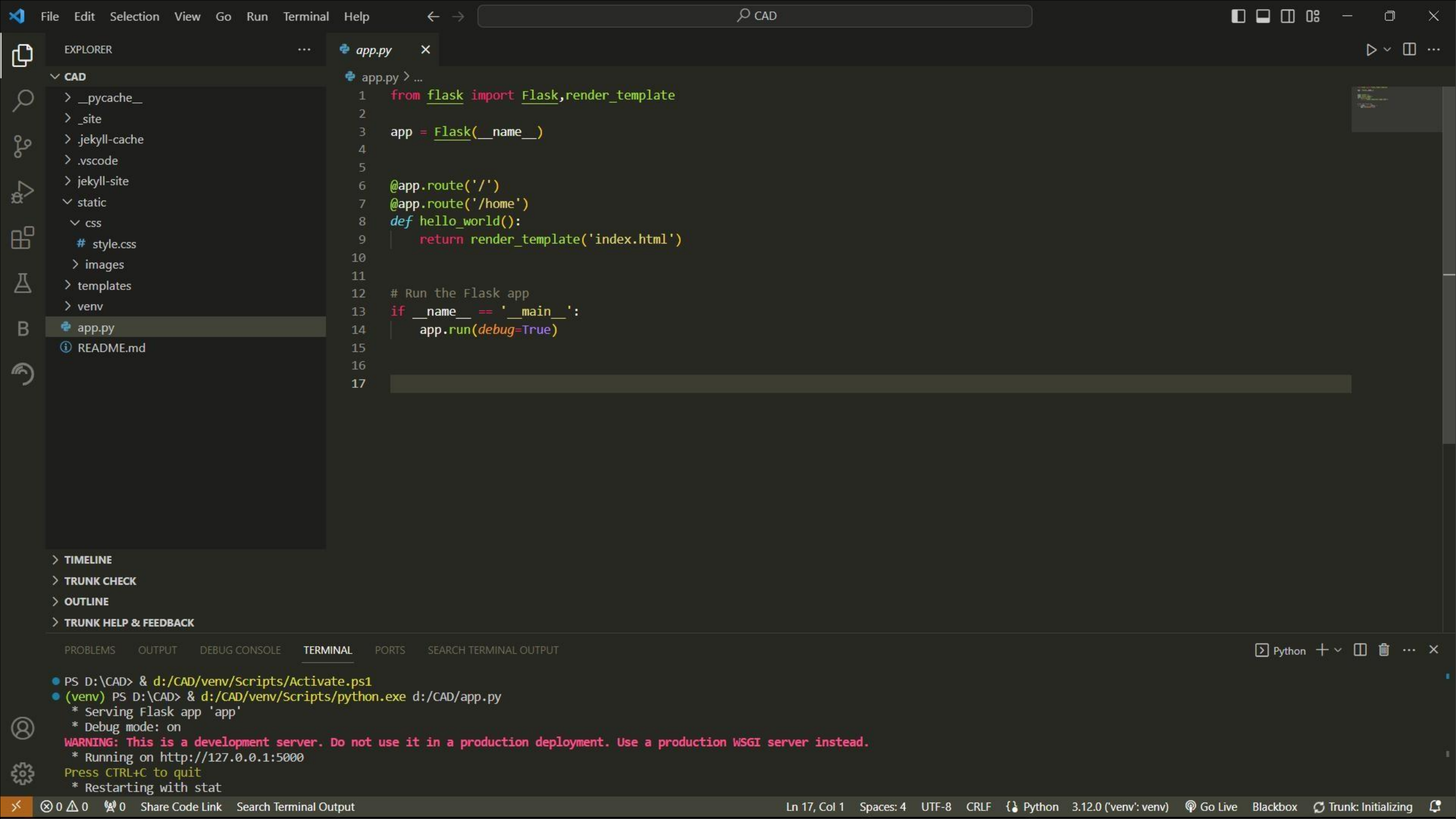




# JEKYLL TEMPLATE GENERATOR USING HTML AND CODE

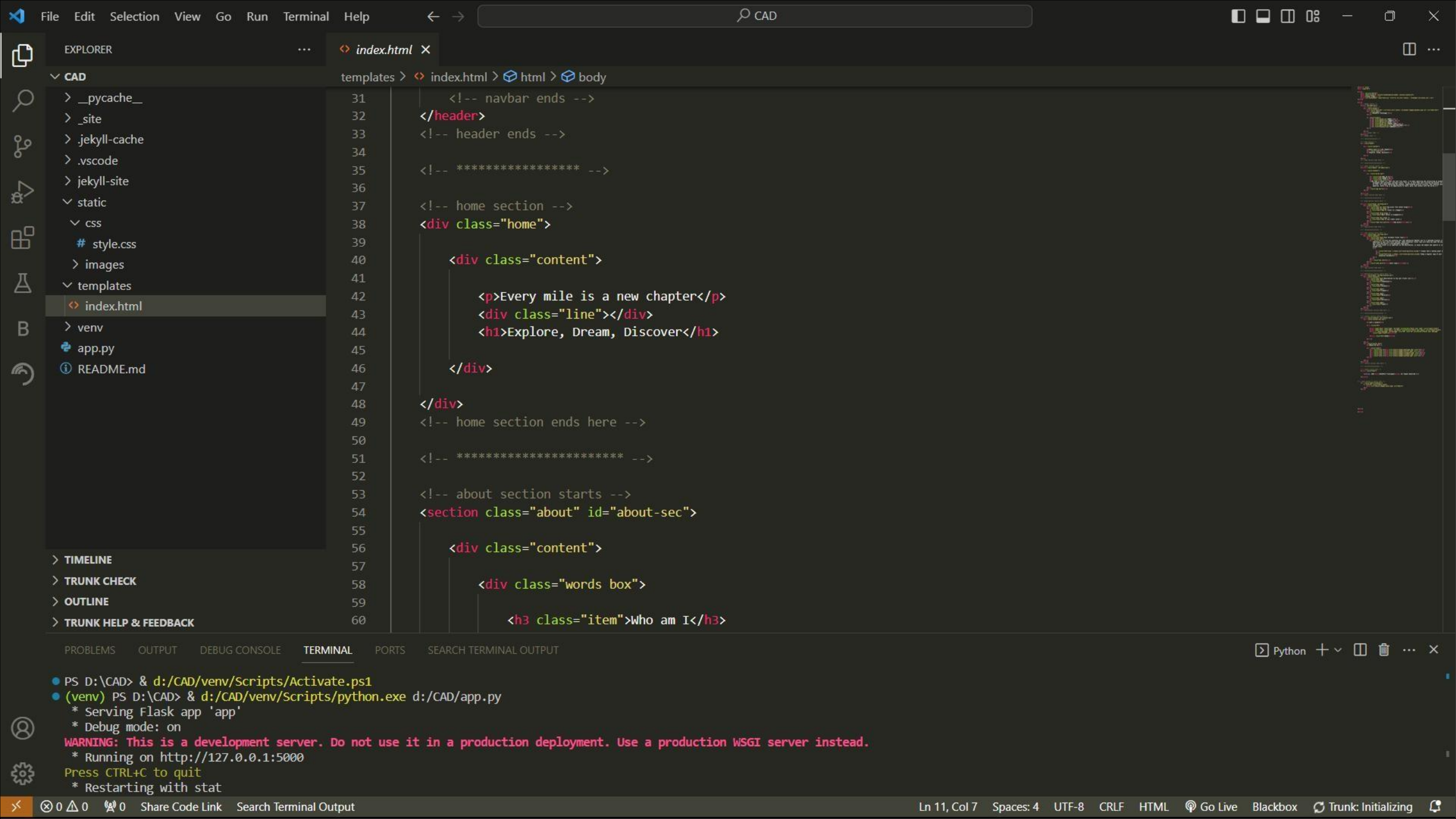






```
File Edit Selection View Go Run Terminal Help
EXPLORER
  CAD
    > __pycache__
    > _site
    > .jekyll-cache
    > .vscode
    > jekyll-site
    > static
    > css
      # style.css
    > images
    > templates
    > venv
    app.py
    README.md
  TIMELINE
  TRUNK CHECK
  OUTLINE
  TRUNK HELP & FEEDBACK
  PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS SEARCH TERMINAL OUTPUT
  PS D:\CAD> & d:/CAD/venv/Scripts/Activate.ps1
  (venv) PS D:\CAD> & d:/CAD/venv/Scripts/python.exe d:/CAD/app.py
    * Serving Flask app 'app'
    * Debug mode: on
  WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
    * Running on http://127.0.0.1:5000
  Press CTRL+C to quit
    * Restarting with stat
  Ln 17, Col 1 Spaces: 4 UTF-8 CRLF Python 3.12.0 ('venv': venv) Go Live Blackbox Trunk: Initializing
```









FileEditSelectionViewGoRunTerminalHelp

CAD

EXPLORER

CAD

> \_\_pycache\_\_

> \_site

> .jekyll-cache

> .vscode

> jekyll-site

> static

> css

> # style.css

> images

> templates

> index.html

> venv

> app.py

> README.md

TIMELINE

TRUNK CHECK

OUTLINE

TRUNK HELP & FEEDBACK

templates > index.html > html > body

97<!-- tips section starts here -->

98<section class="tips" id="tips-sec">

99<div class="content">

100<div class="item head">Your Ultimate Travel Tips</div>

101<div class="item cont">

102<div class="one itm">Are you planning your next adventure? Whether you're a seasoned traveler or

103embarking on your very first journey, these essential travel tips will help you make the most of

104your trip and ensure a unforgettable experience.

105the journey itself is as important as the destination, so enjoy the moment and capture it in your

106unique voice

107<ul>

108

109<li style="font-size: 2.5vmin;list-style-position:inside;"> Always have a backup power bank

110</li>

111<li style="font-size: 2.5vmin; list-style-position:inside;">keep a digital copy of your

112essential documents</li>

113</ul>

114</div>

115<div class="two itm"></div>

116</div>

117<div class="item more"><button>more tips</button></div>

118</div>

119</section>

120<!-- tips section ends here -->

121

122<!-- \*\*\*\*\* -->

123

124<!-- destination section starts here -->

125<section class="dest" id="destination-sec">

126<div class="content">

127<div class="item head">Destination to top your travel list</div>

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

SEARCH TERMINAL OUTPUT

Python +

PS D:\CAD> & d:/CAD/venv/Scripts/Activate.ps1

(venv) PS D:\CAD> & d:/CAD/venv/Scripts/python.exe d:/CAD/app.py

\* Serving Flask app 'app'

\* Debug mode: on

WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.

\* Running on http://127.0.0.1:5000

Press CTRL+C to quit

\* Restarting with stat

Ln 11, Col 7

Spaces: 4

UTF-8

CRLF

HTML

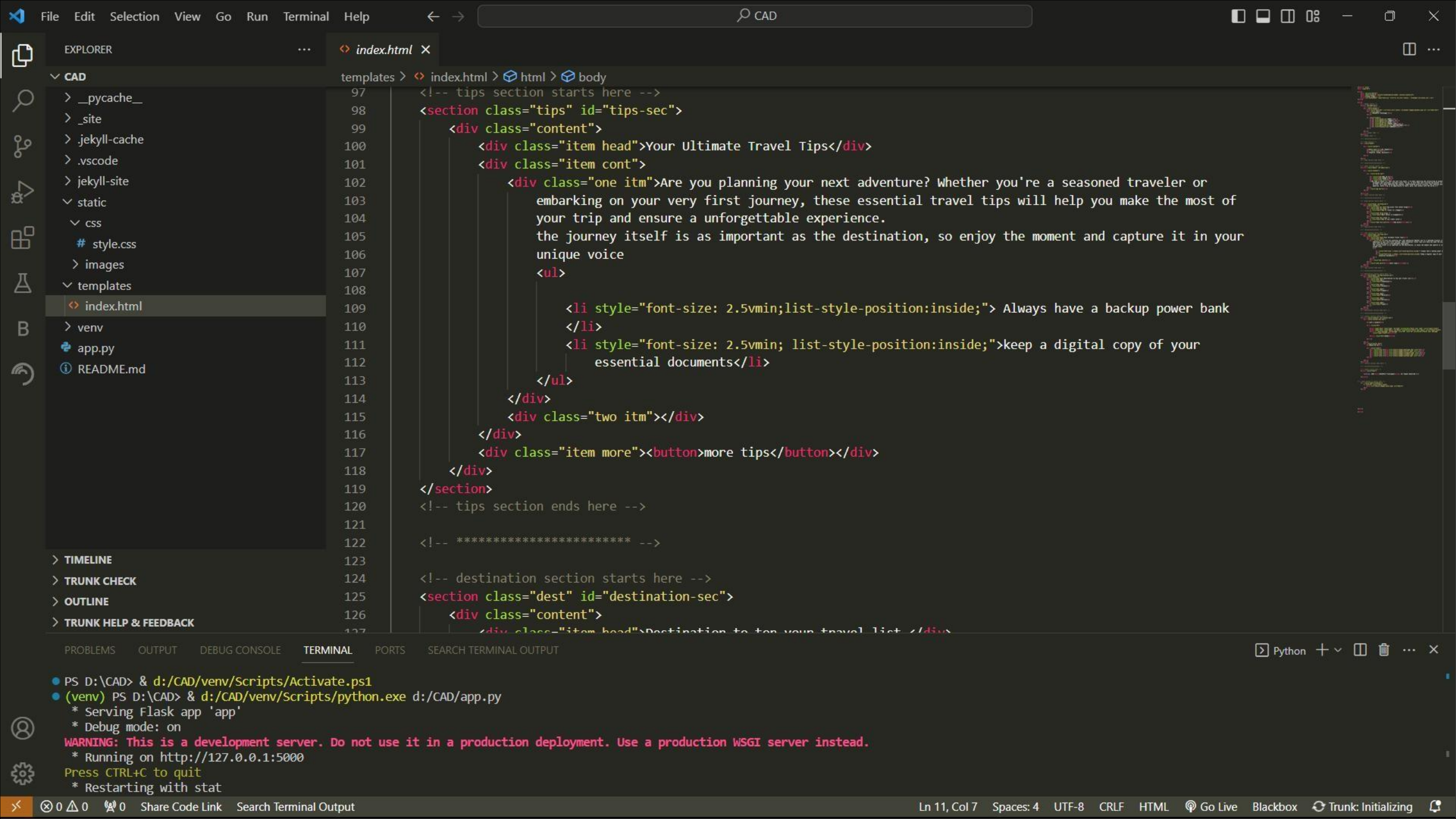
Go Live

Blackbox

Trunk: Initializing

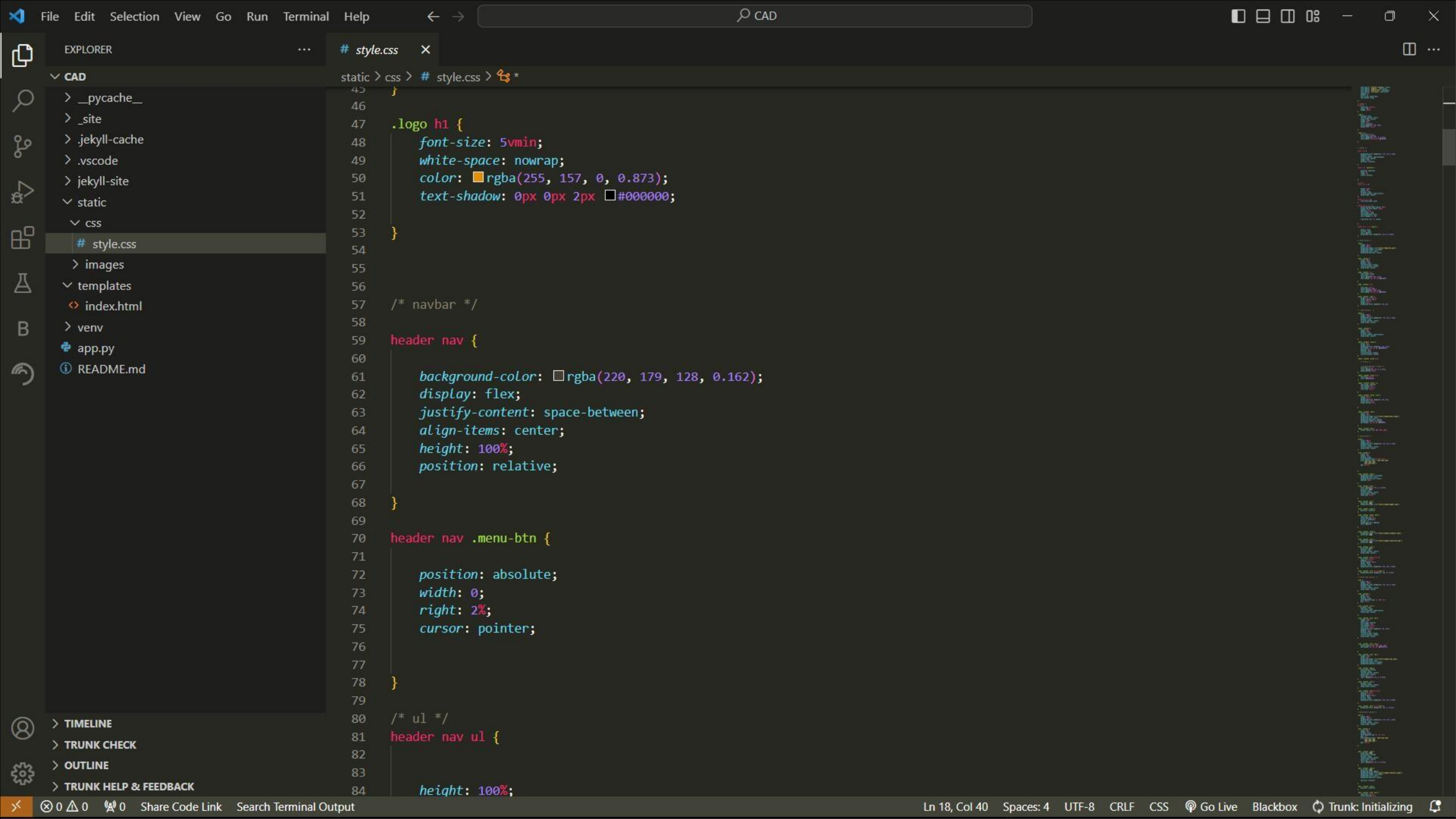


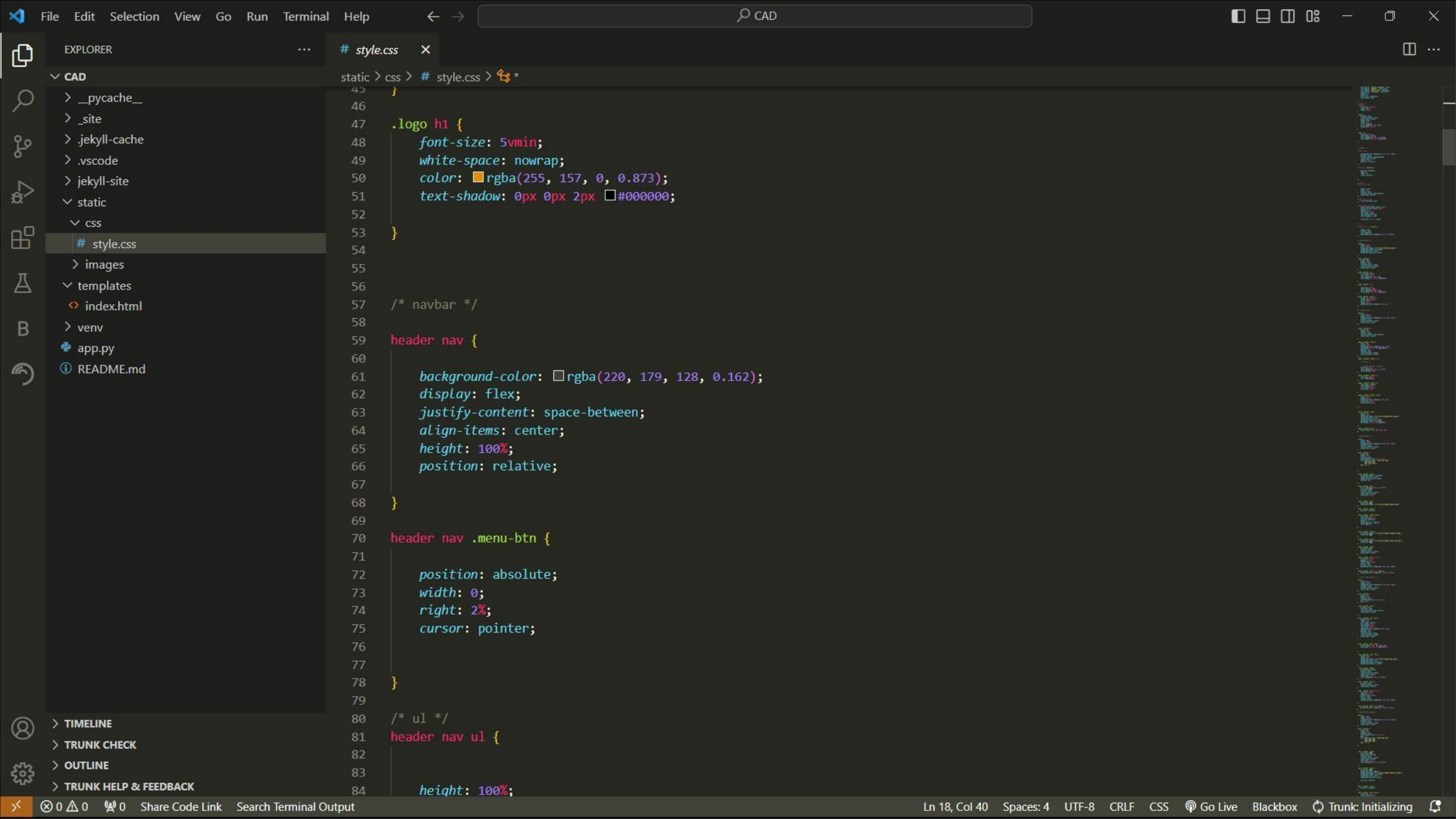


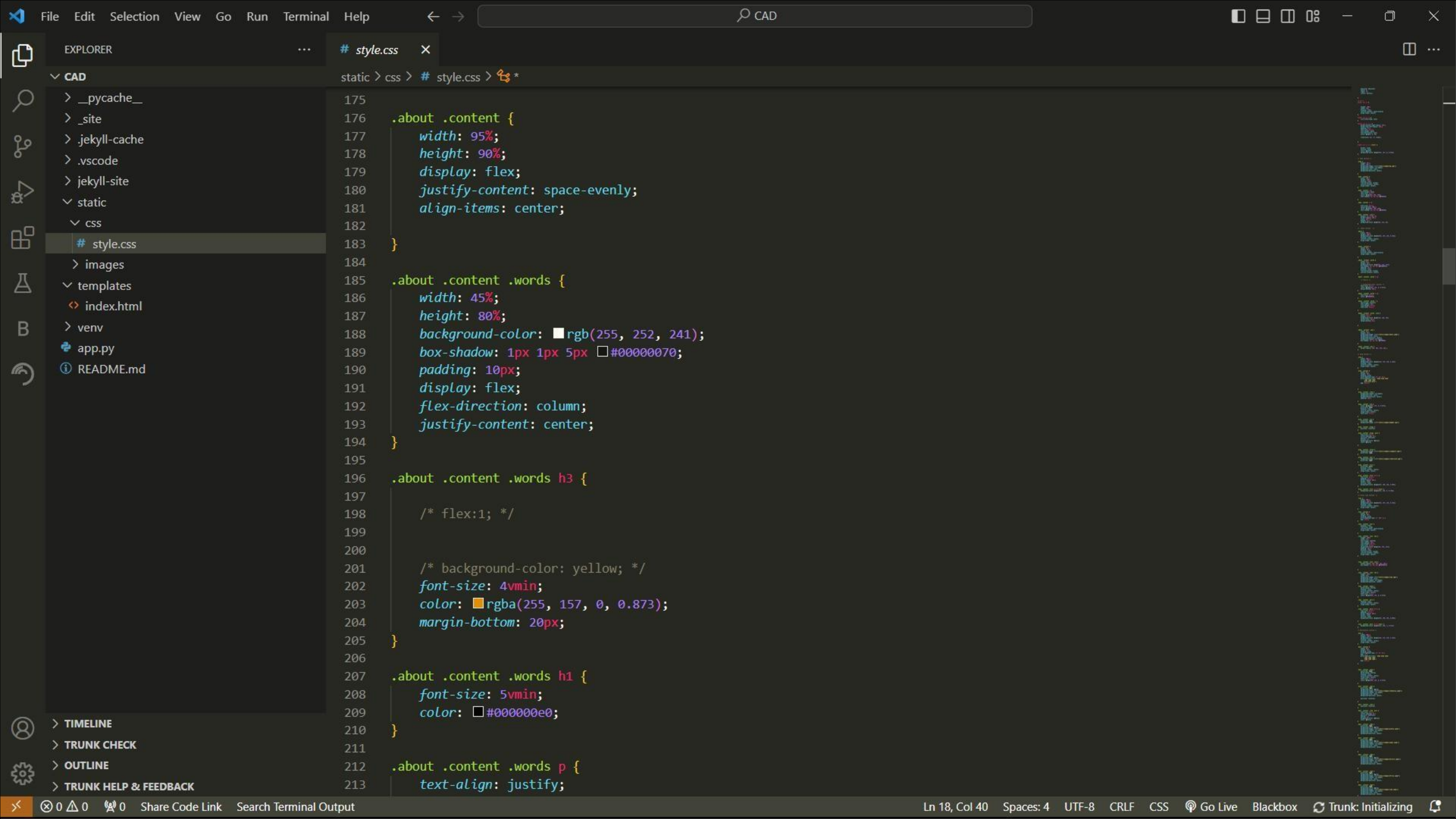


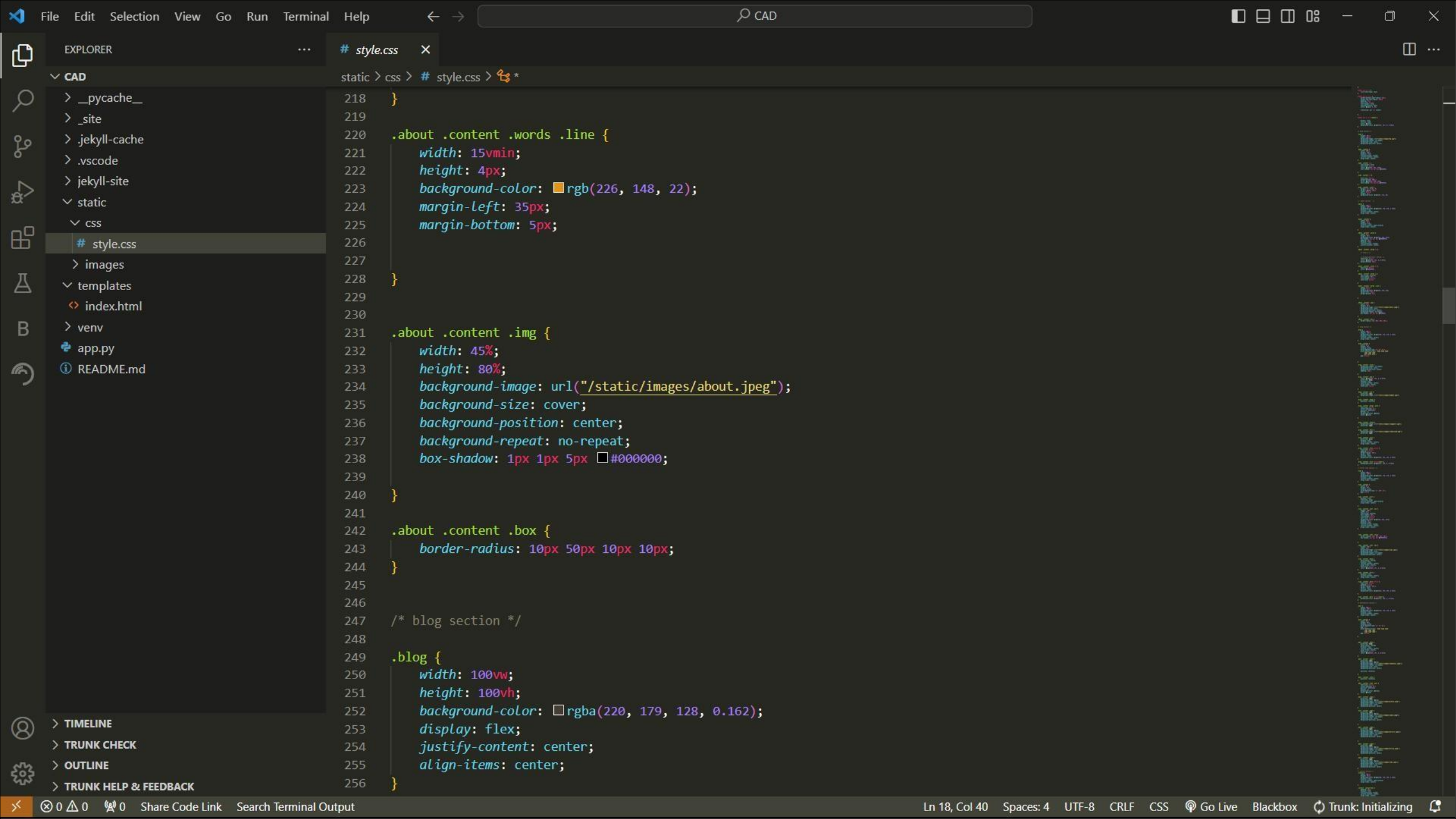




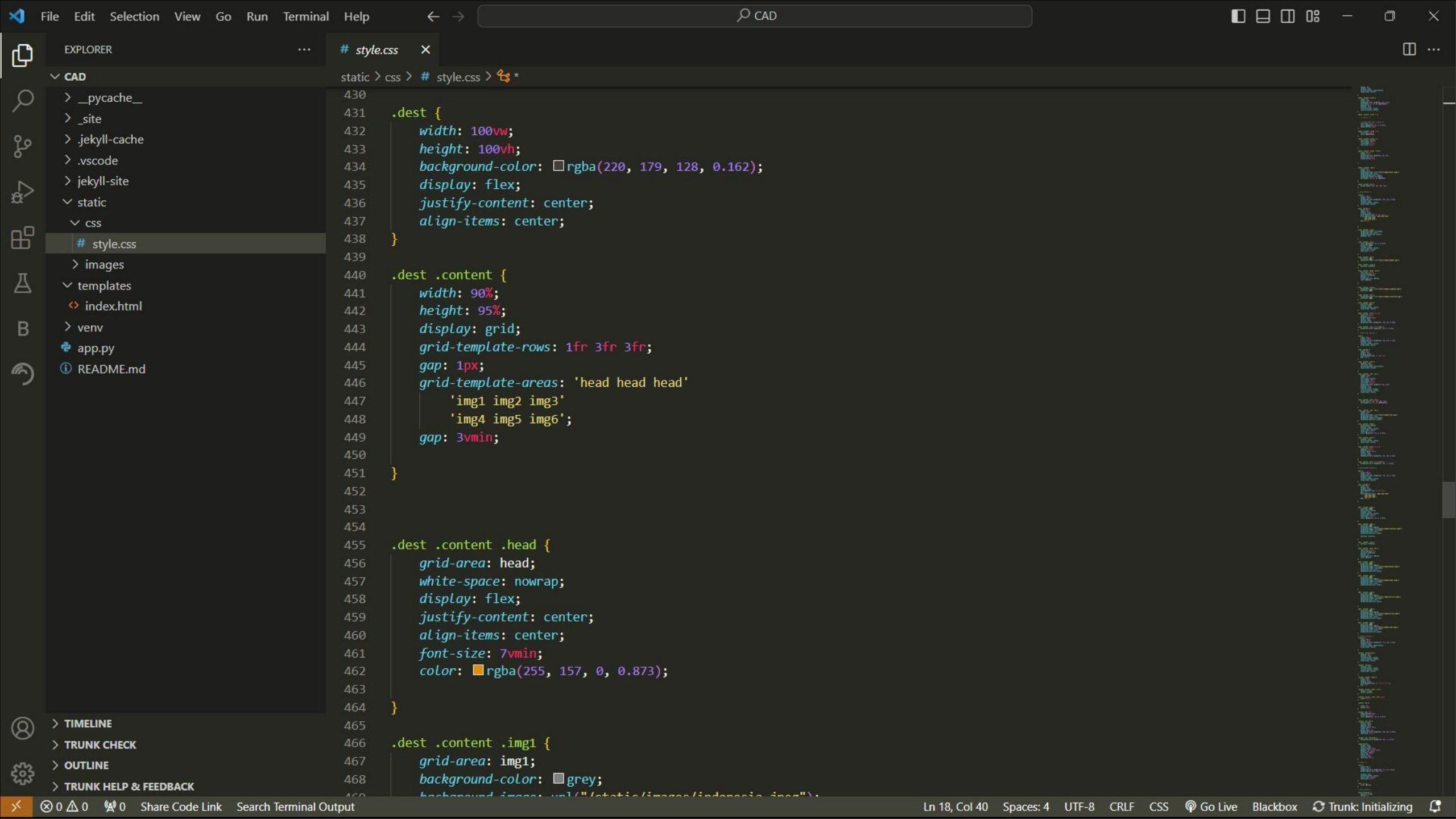




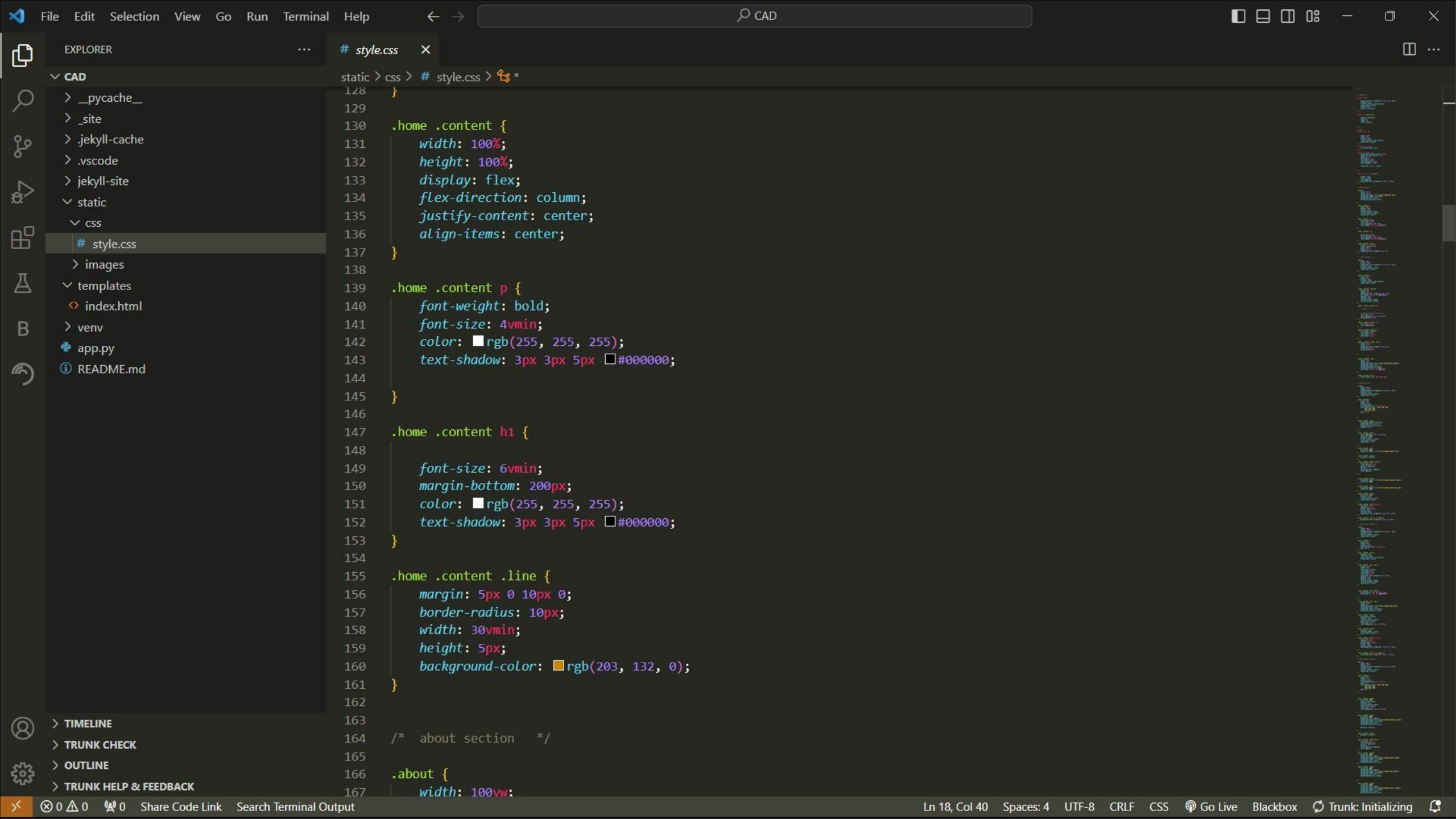


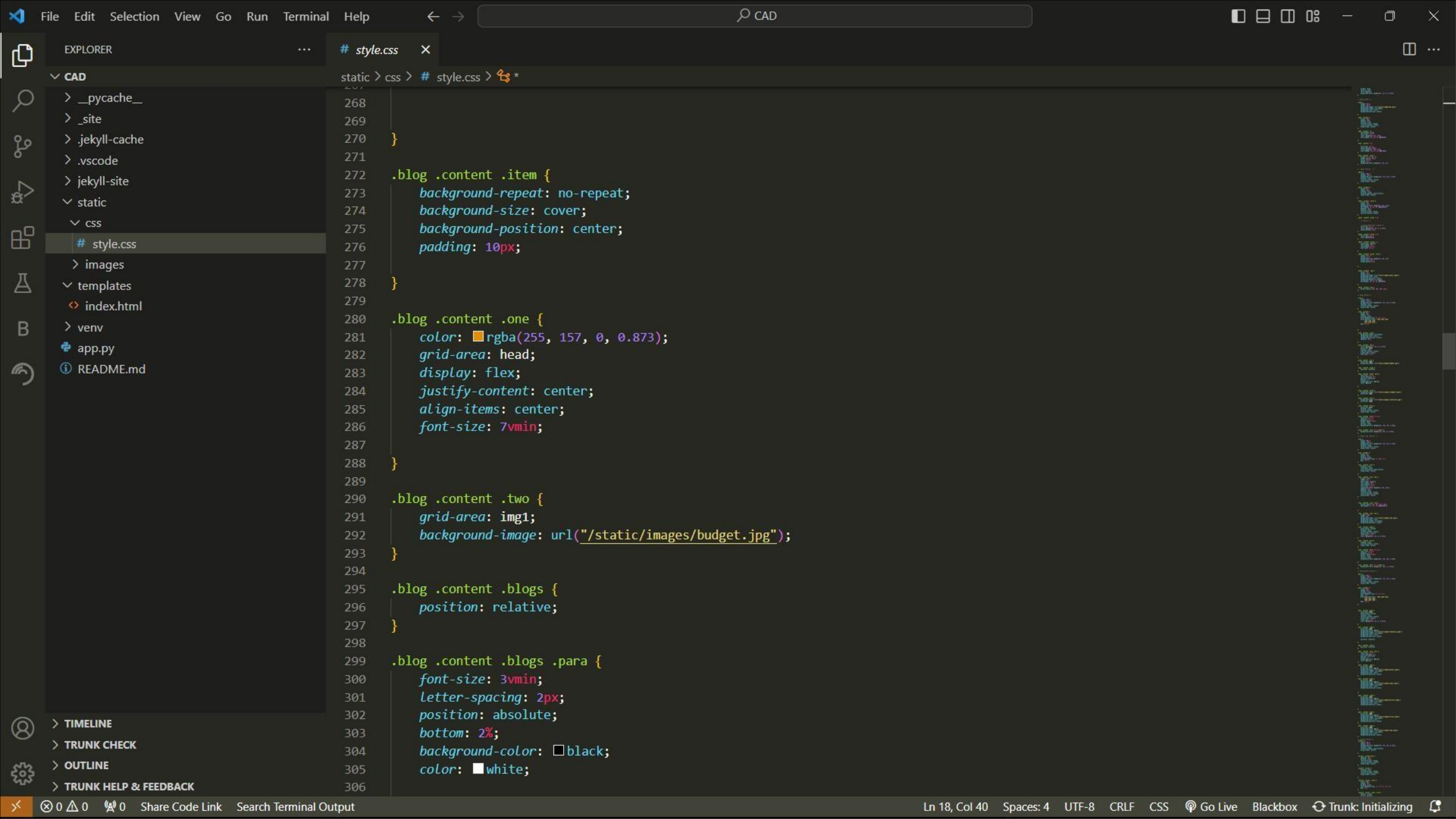


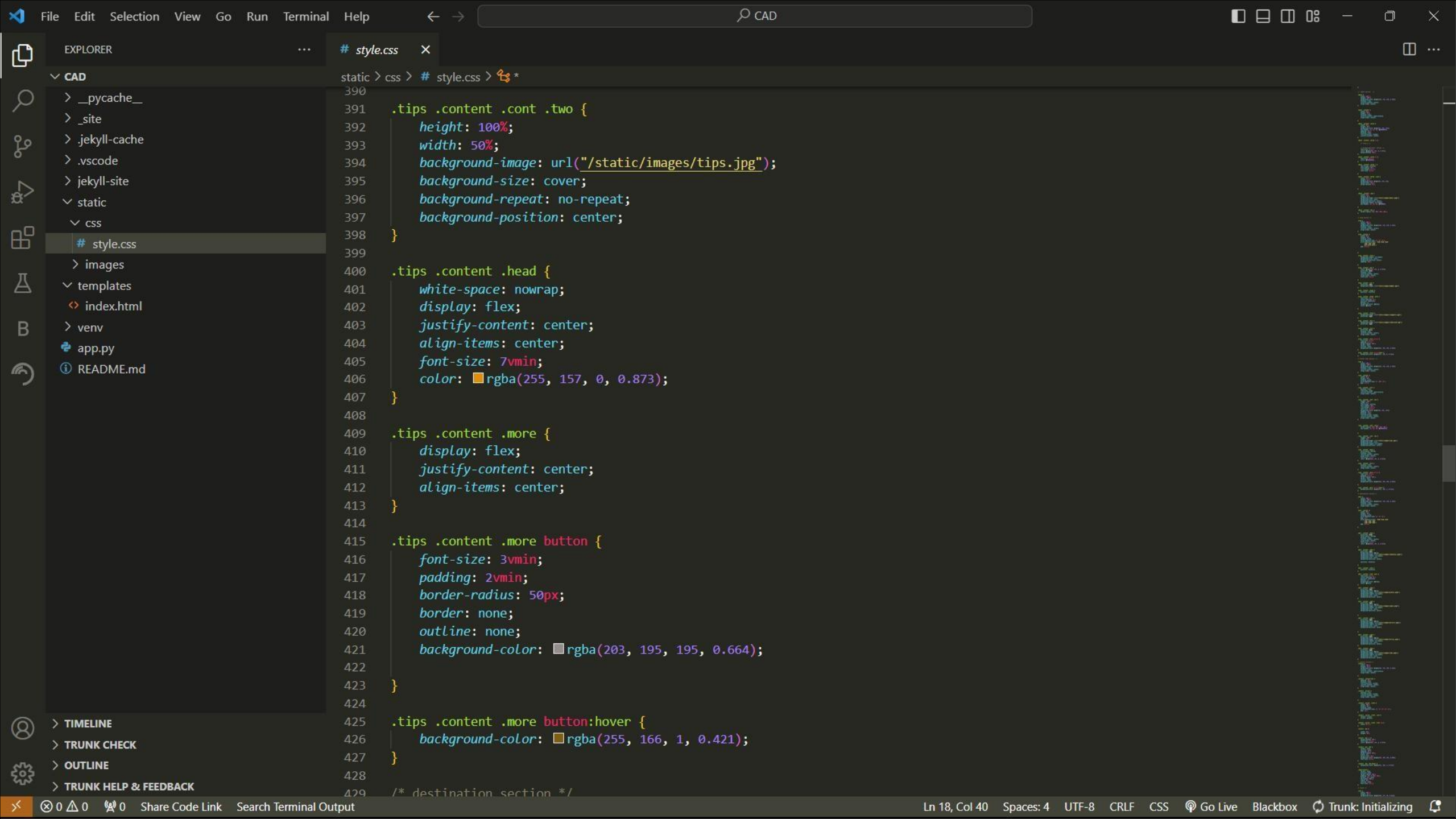




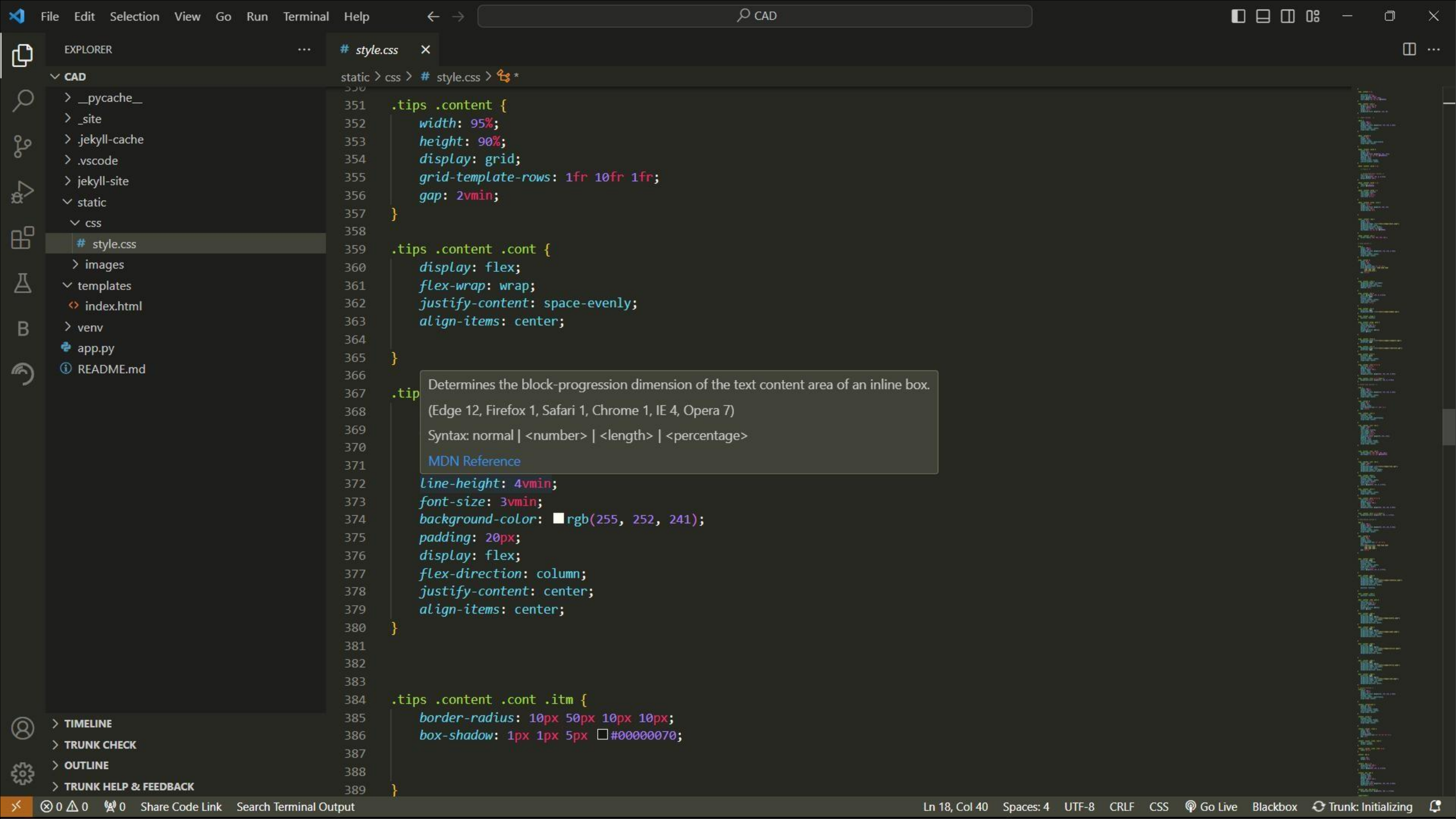


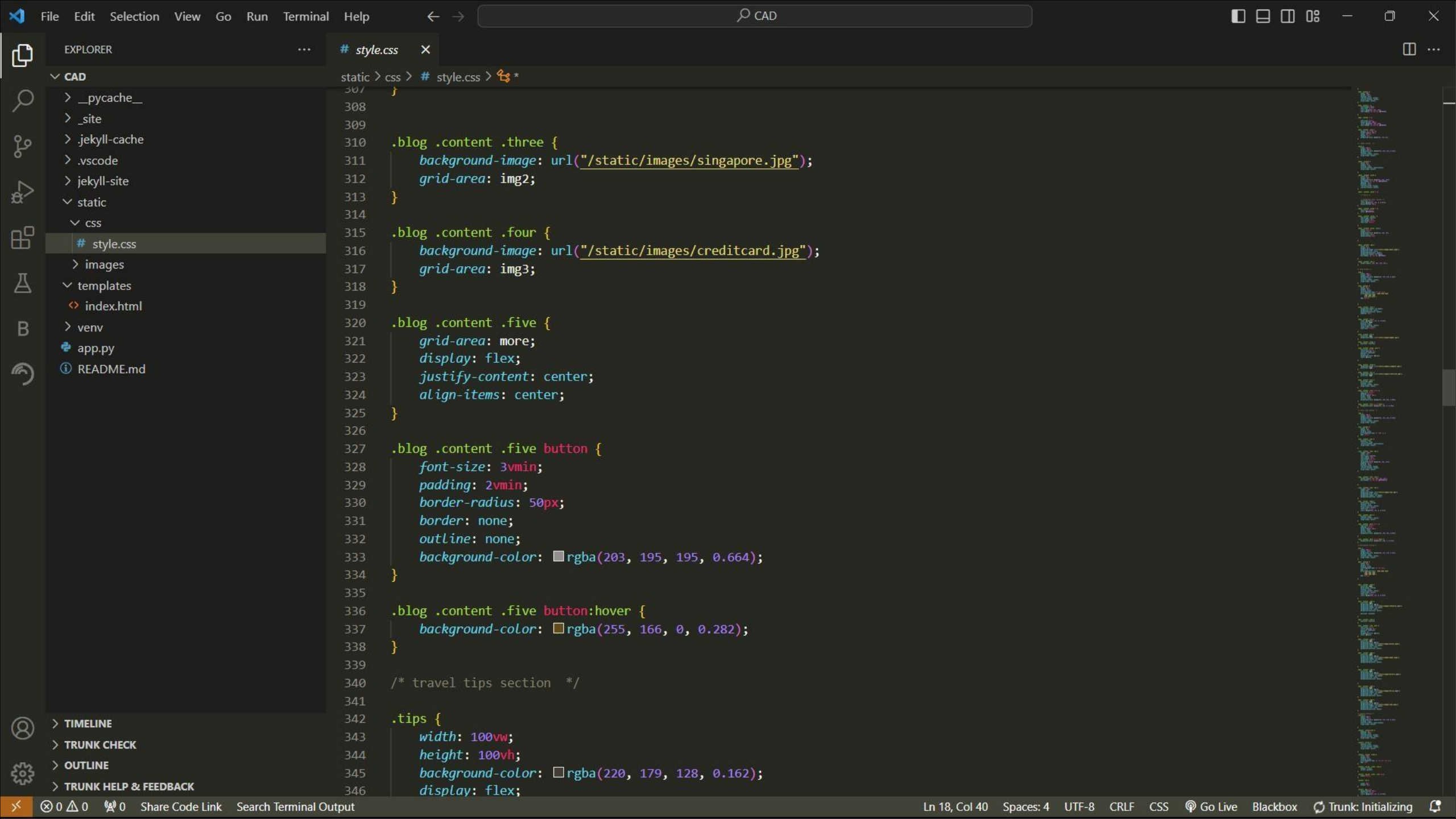






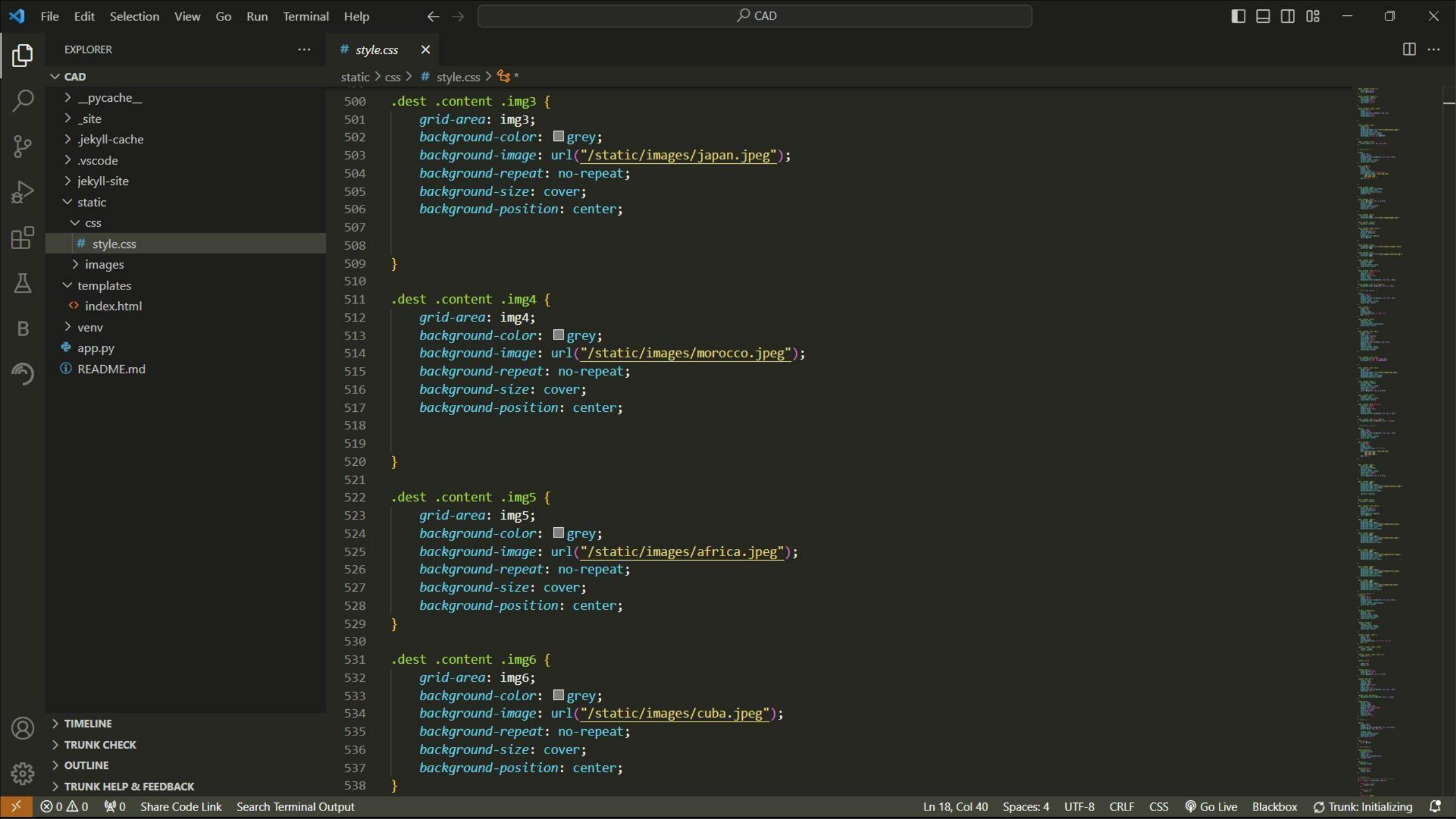


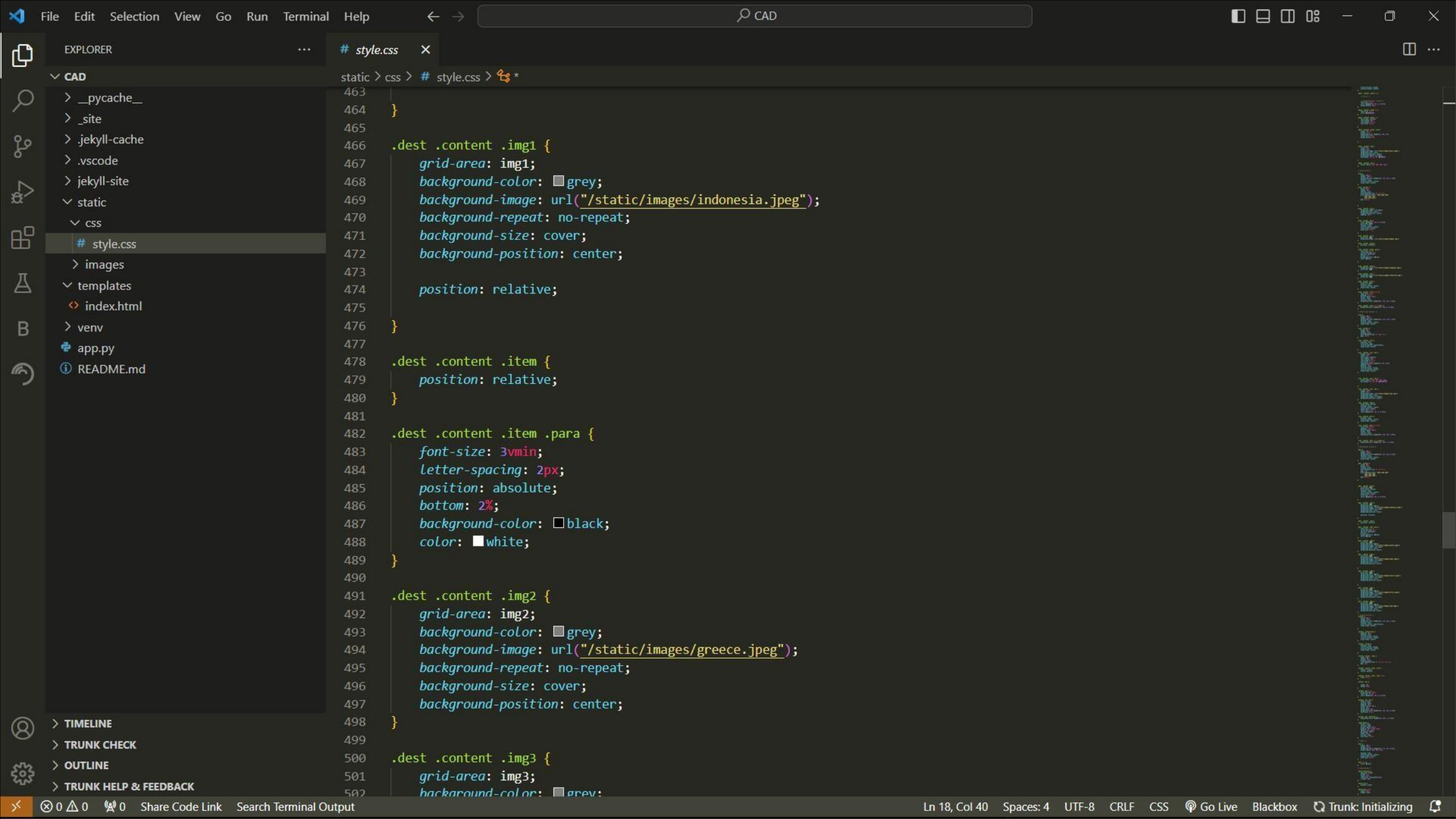




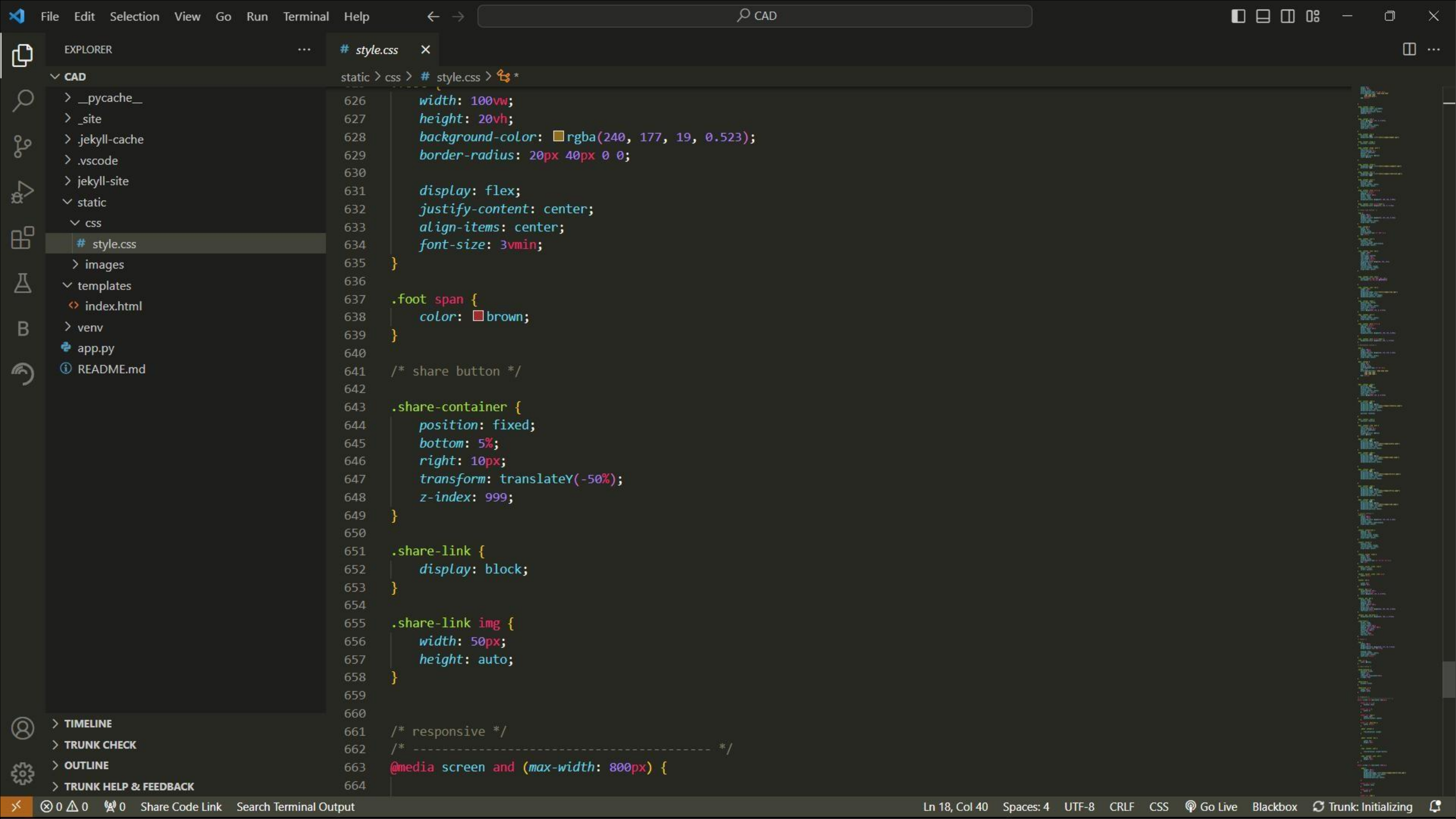


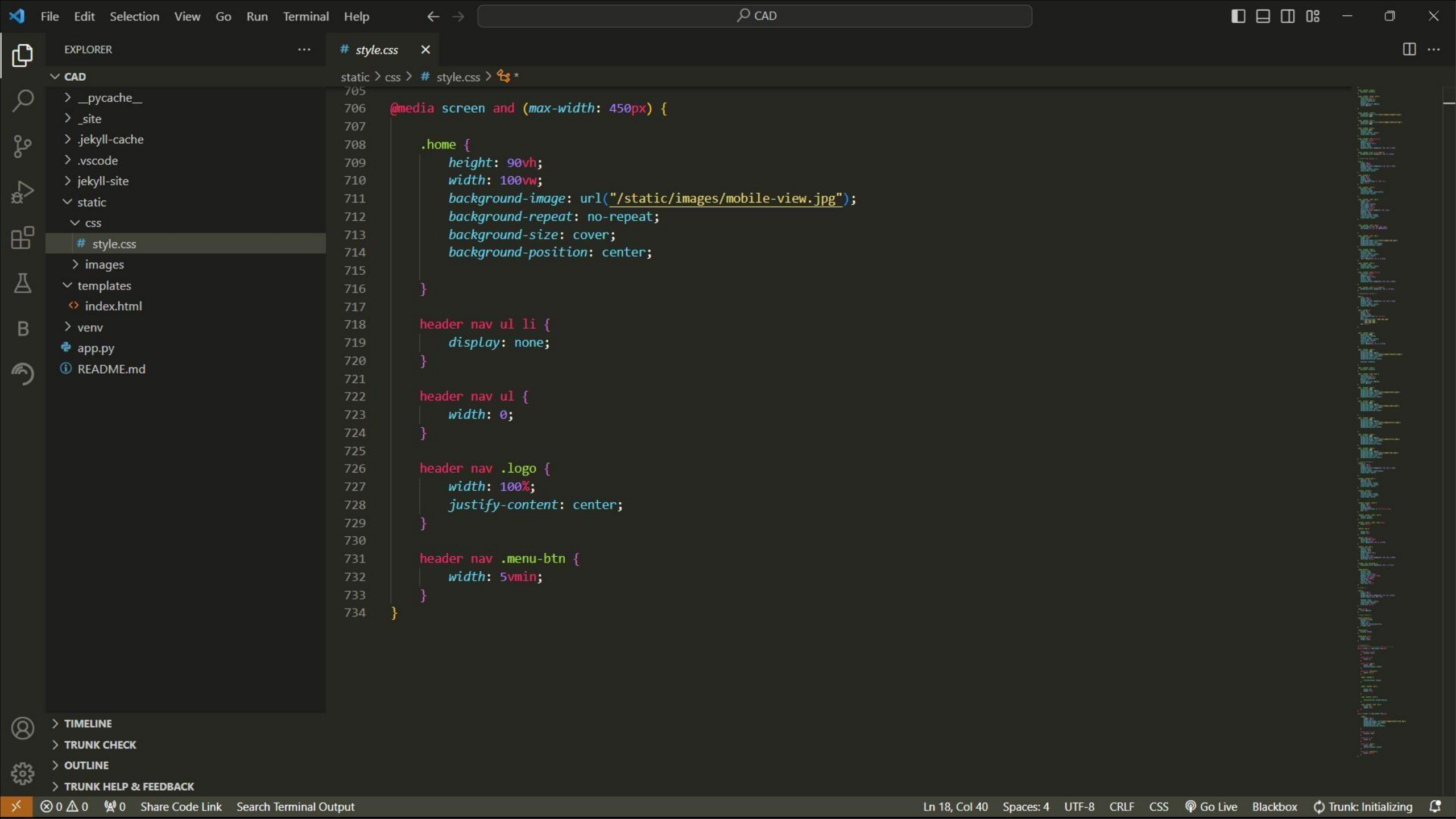




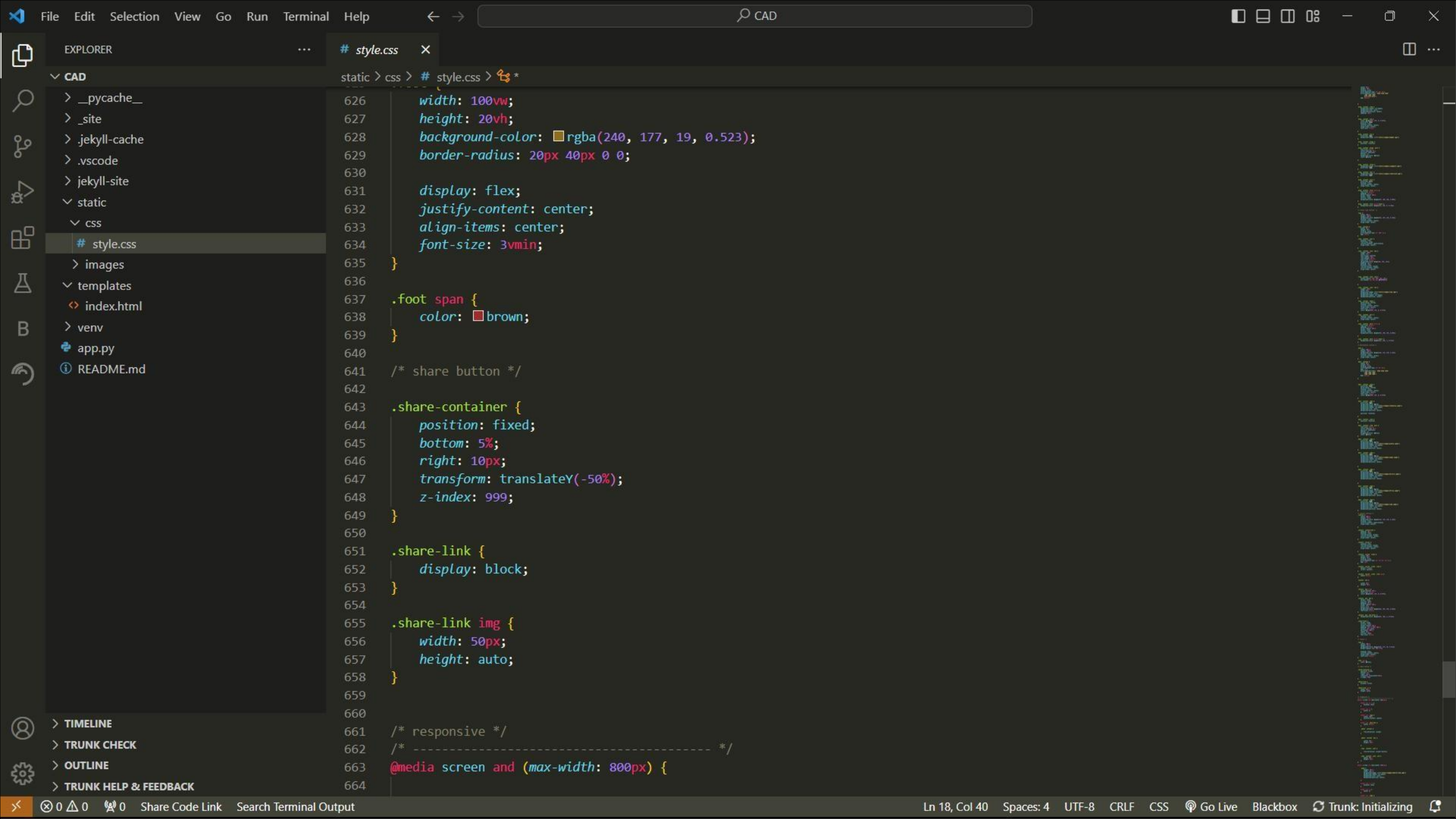


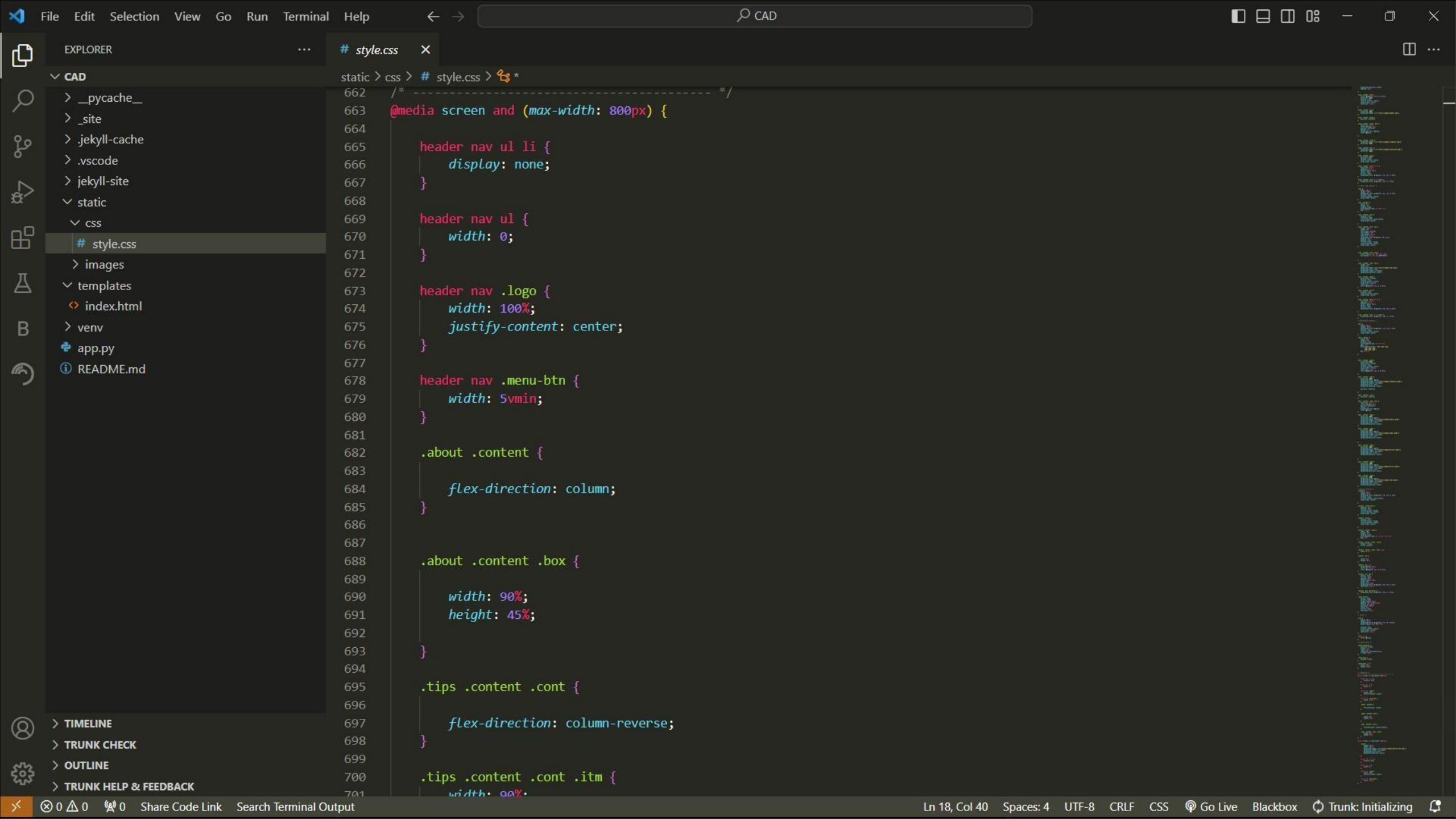






```
File Edit Selection View Go Run Terminal Help
# style.css
static > css > # style.css > *
705
706 @media screen and (max-width: 450px) {
707
708     .home {
709         height: 90vh;
710         width: 100vw;
711         background-image: url("/static/images/mobile-view.jpg");
712         background-repeat: no-repeat;
713         background-size: cover;
714         background-position: center;
715     }
716
717     header nav ul li {
718         display: none;
719     }
720
721     header nav ul {
722         width: 0;
723     }
724
725     header nav .logo {
726         width: 100%;
727         justify-content: center;
728     }
729
730     header nav .menu-btn {
731         width: 5vmin;
732     }
733
734 }
```





```
File Edit Selection View Go Run Terminal Help
# style.css
static > css > # style.css > *
662 /* ----- */
663 @media screen and (max-width: 800px) {
664
665     header nav ul li {
666         display: none;
667     }
668
669     header nav ul {
670         width: 0;
671     }
672
673     header nav .logo {
674         width: 100%;
675         justify-content: center;
676     }
677
678     header nav .menu-btn {
679         width: 5vmin;
680     }
681
682     .about .content {
683         flex-direction: column;
684     }
685
686
687
688     .about .content .box {
689
690         width: 90%;
691         height: 45%;
692     }
693
694
695     .tips .content .cont {
696
697         flex-direction: column-reverse;
698     }
699
700     .tips .content .cont .itm {
701         width: 90%;
```



# PHOTOGRAPHY TRAVELS



# Destination to top your travel list.



## Let's connect

Enter your name

Enter your email

Enter your message

Send

## Reach me on



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