Lab 5

HTML and CSS (Part 2)

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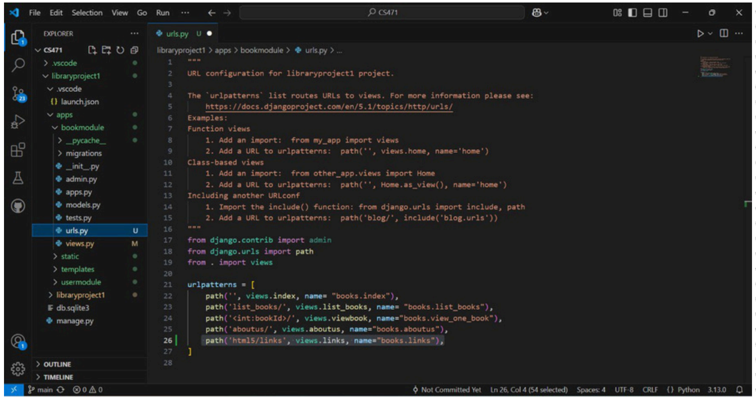
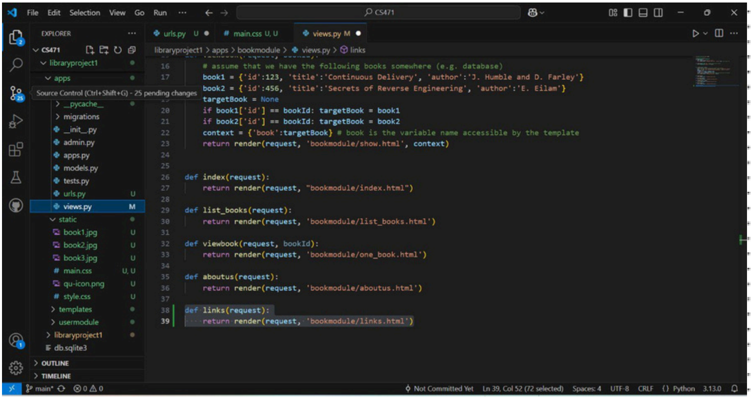
Subject: CS 471
Section number: 3526
Doctor Name: Bshayer Alkhalifa

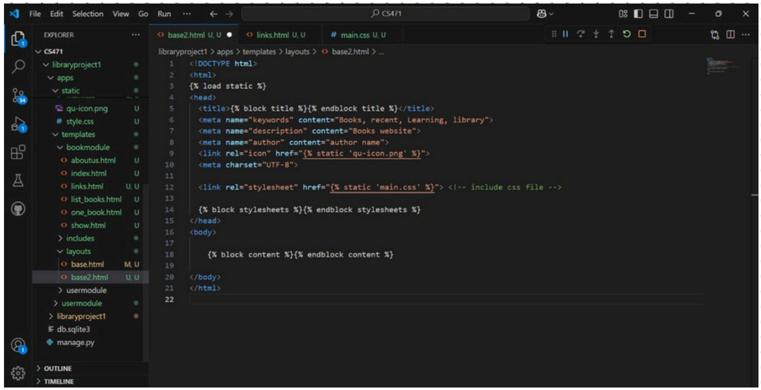
Task 1
Code


urls.py
libraryproject1 > apps > bookmodule > urls.py > ...
Not Committed Yet
Ln 26, Col 4 (54 selected)

```python
"""
URL configuration for libraryproject1 project.

The `urlpatterns` list routes URLs to views. For more information please see:
    https://docs.djangoproject.com/en/5.1/topics/http/urls/
Examples:
Function views
    1. Add an import:  from my_app import views
    2. Add a URL to urlpatterns:  path('', views.home, name='home')
Class-based views
    1. Add an import:  from other_app.views import Home
    2. Add a URL to urlpatterns:  path('', Home.as_view(), name='home')
Including another URLconf
    1. Import the include() function: from django.urls import include, path
    2. Add a URL to urlpatterns:  path('blog/', include('blog.urls'))
"""
from django.contrib import admin
from django.urls import path
from . import views

urlpatterns = [
    path('', views.index, name= "books.index"),
    path('list_books/', views.list_books, name= "books.list_books"),
    path('<int:bookId>/', views.viewbook, name="books.view_one_book"),
    path('aboutus/', views.aboutus, name="books.aboutus"),
    path('html5/links', views.links, name="books.links"),
]

```

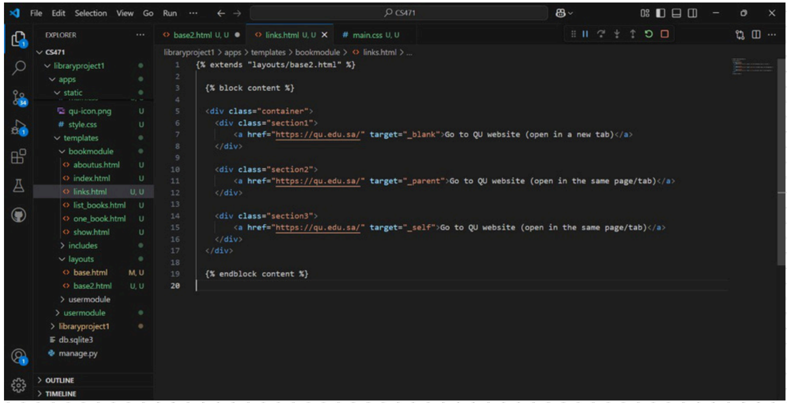

urls.py
main.css
views.py
libraryproject1 > apps > bookmodule > views.py > links
Source Control (Ctrl+Shift+G) - 25 pending changes
Not Committed Yet
Ln 39, Col 52 (72 selected)

```python
    # assume that we have the following books somewhere (e.g. database)
    book1 = {'id':123, 'title':'Continuous Delivery', 'author':'J. Humble and D. Farley'}
    book2 = {'id':456, 'title':'Secrets of Reverse Engineering', 'author':'E. Eilam'}
    targetBook = None
    if book1['id'] == bookId: targetBook = book1
    if book2['id'] == bookId: targetBook = book2
    context = {'book':targetBook} # book is the variable name accessible by the template
    return render(request, 'bookmodule/show.html', context)


def index(request):
    return render(request, "bookmodule/index.html")

def list_books(request):
    return render(request, 'bookmodule/list_books.html')

def viewbook(request, bookId):
    return render(request, 'bookmodule/one_book.html')

def aboutus(request):
    return render(request, 'bookmodule/aboutus.html')

def links(request):
    return render(request, 'bookmodule/links.html')
```

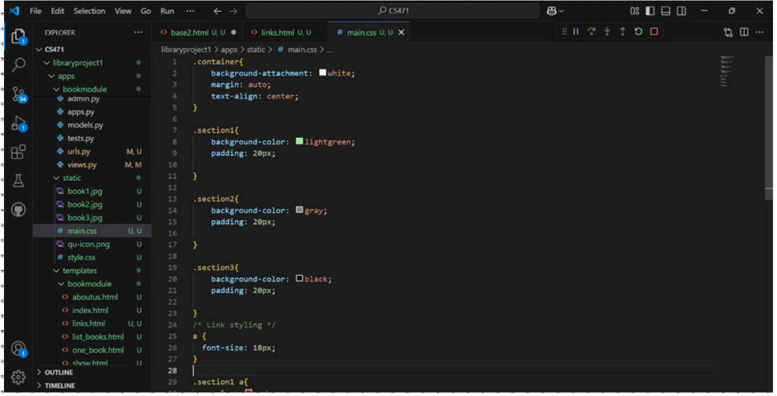

base2.html
links.html
main.css
libraryproject1 > apps > templates > layouts > base2.html > ...

```html
<!DOCTYPE html>
<html>
{% load static %}
<head>
  <title>{% block title %}{% endblock title %}</title>
  <meta name="keywords" content="Books, recent, Learning, library">
  <meta name="description" content="Books website">
  <meta name="author" content="author name">
  <link rel="icon" href="{% static 'qu-icon.png' %}">
  <meta charset="UTF-8">

  <link rel="stylesheet" href="{% static 'main.css' %}"> <!-- include css file -->

  {% block stylesheets %}{% endblock stylesheets %}
</head>
<body>

    {% block content %}{% endblock content %}

</body>
</html>

```

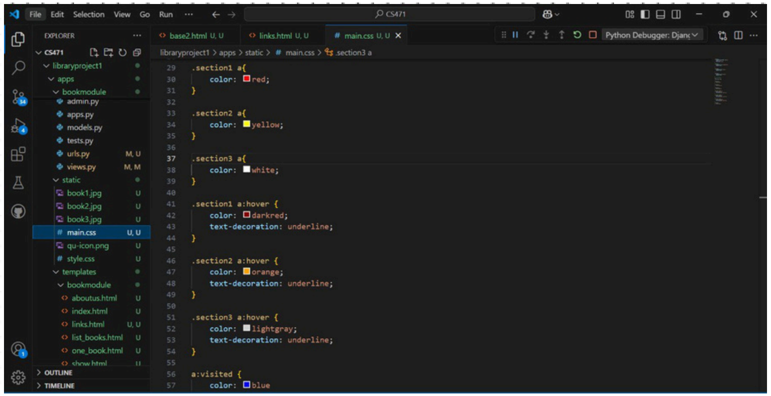
Task 1
Code


base2.html U, U
links.html U, U
main.css U, U
libraryproject1 > apps > templates > bookmodule > links.html > ...

```
{% extends "layouts/base2.html" %}

 {% block content %}

 <div class="container">
   <div class="section1">
       <a href="https://qu.edu.sa/" target="_blank">Go to QU website (open in a new tab)</a>
   </div>

   <div class="section2">
       <a href="https://qu.edu.sa/" target="_parent">Go to QU website (open in the same page/tab)</a>
   </div>

   <div class="section3">
       <a href="https://qu.edu.sa/" target="_self">Go to QU website (open in the same page/tab)</a>
   </div>
 </div>

 {% endblock content %}
```

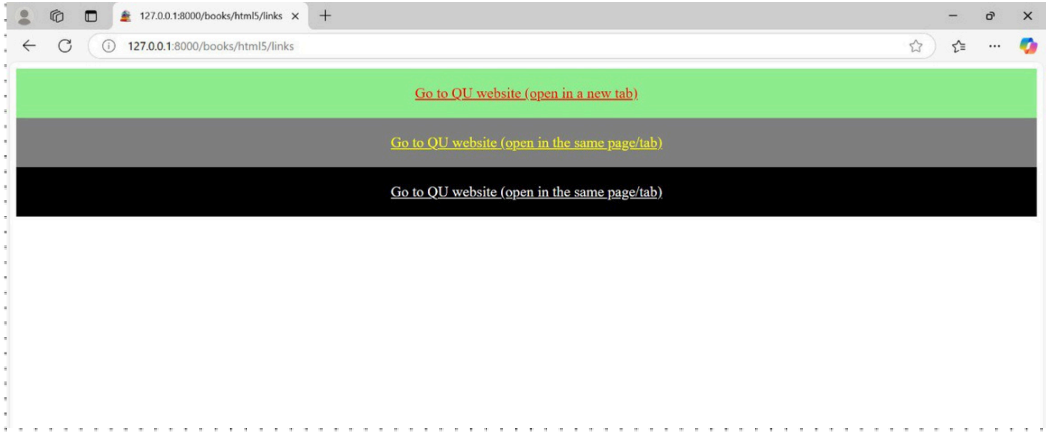


```
.container{
    background-attachment: white;
    margin: auto;
    text-align: center;
}

.section1{
    background-color: lightgreen;
    padding: 20px;

}

.section2{
    background-color: gray;
    padding: 20px;

}

.section3{
    background-color: black;
    padding: 20px;

}
/* Link styling */
a {
  font-size: 18px;
}

.section1 a{
```



```
.section1 a{
    color: red;
}

.section2 a{
    color: yellow;
}

.section3 a{
    color: white;
}

.section1 a:hover {
    color: darkred;
    text-decoration: underline;
}

.section2 a:hover {
    color: orange;
    text-decoration: underline;
}

.section3 a:hover {
    color: lightgray;
    text-decoration: underline;
}

a:visited {
    color: blue
```

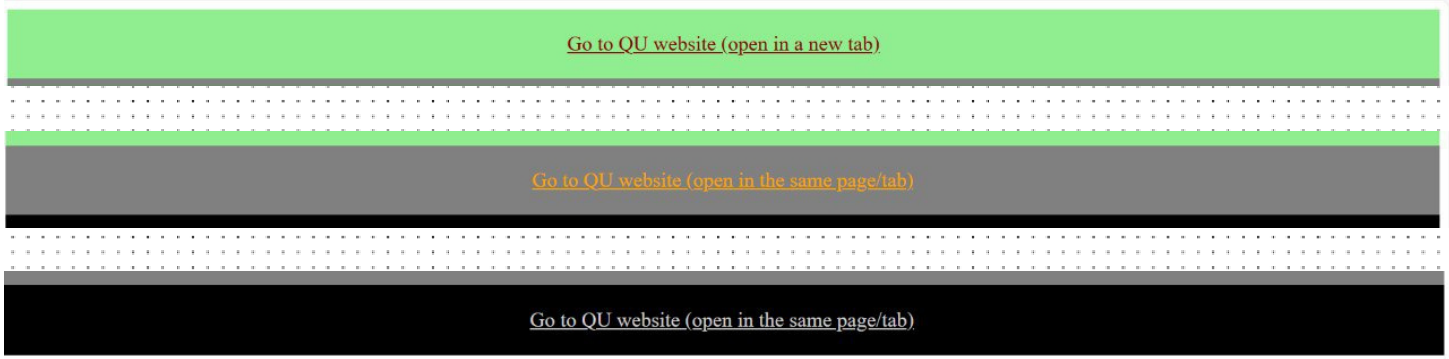
Task 1
Output


127.0.0.1:8000/books/html5/links
127.0.0.1:8000/books/html5/links

Go to QU website (open in a new tab)

Go to QU website (open in the same page/tab)

Go to QU website (open in the same page/tab)

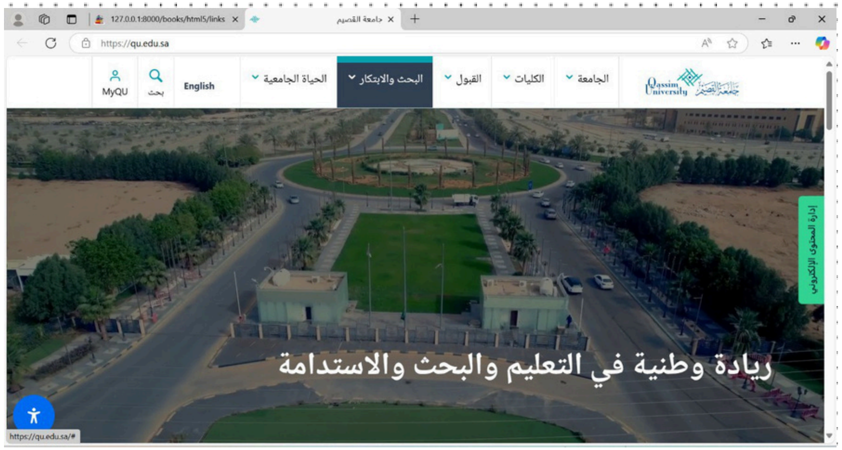


Go to QU website (open in a new tab)

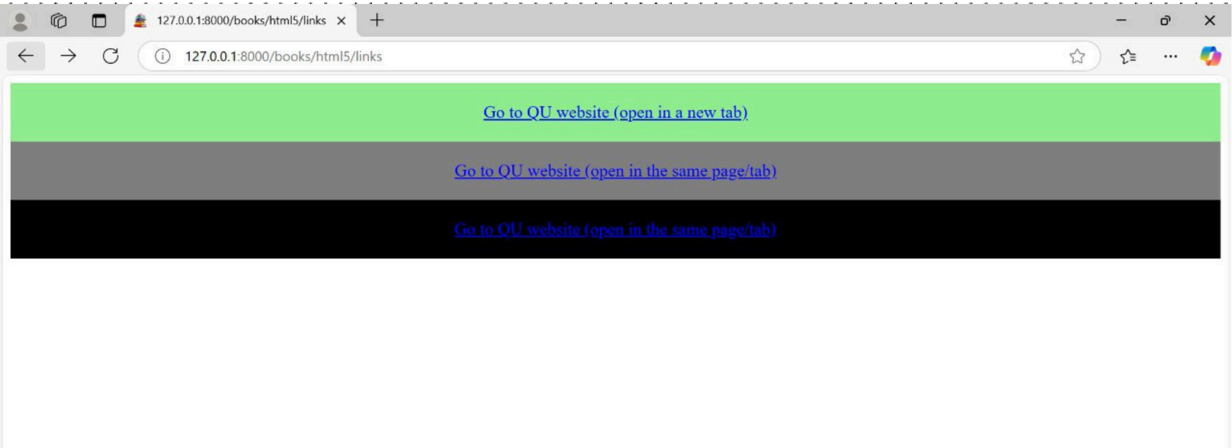
Go to QU website (open in the same page/tab)

Go to QU website (open in the same page/tab)

Task 1
Output



ريادة وطنية في التعليم والبحث والاستدامة

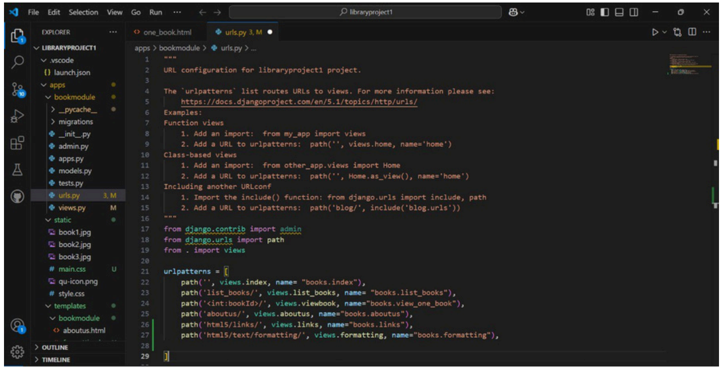

127.0.0.1:8000/books/html5/links
127.0.0.1:8000/books/html5/links

Go to QU website (open in a new tab)

Go to QU website (open in the same page/tab)

Go to QU website (open in the same page/tab)

Task 2 Code



```python
"""
URL configuration for libraryproject1 project.

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    path('list_books/', views.list_books, name= "books.list_books"),
    path('<int:bookId>/', views.viewbook, name="books.view_one_book"),
    path('aboutus/', views.aboutus, name="books.aboutus"),
    path('html5/links/', views.links, name="books.links"),
    path('html5/text/formatting/', views.formatting, name="books.formatting"),

]
```
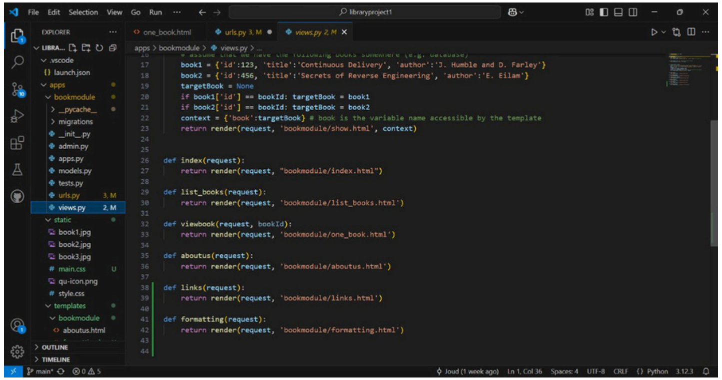
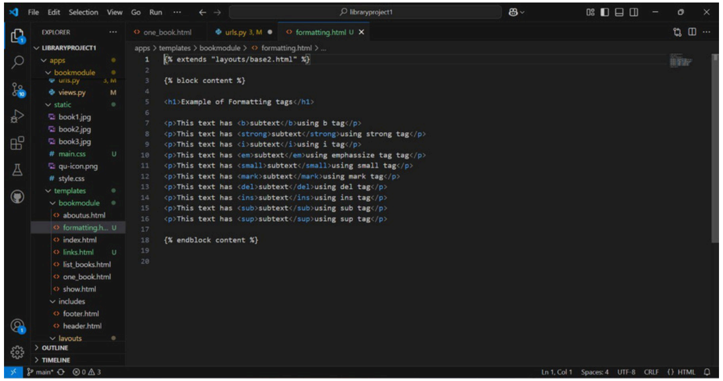
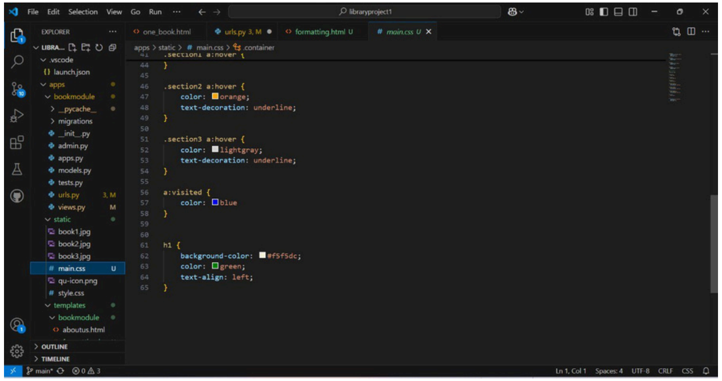



```python
    # assume that we have the following books somewhere (e.g. database)
    book1 = {'id':123, 'title':'Continuous Delivery', 'author':'J. Humble and D. Farley'}
    book2 = {'id':456, 'title':'Secrets of Reverse Engineering', 'author':'E. Eilam'}
    targetBook = None
    if book1['id'] == bookId: targetBook = book1
    if book2['id'] == bookId: targetBook = book2
    context = {'book':targetBook} # book is the variable name accessible by the template
    return render(request, 'bookmodule/show.html', context)


def index(request):
    return render(request, "bookmodule/index.html")

def list_books(request):
    return render(request, 'bookmodule/list_books.html')

def viewbook(request, bookId):
    return render(request, 'bookmodule/one_book.html')

def aboutus(request):
    return render(request, 'bookmodule/aboutus.html')

def links(request):
    return render(request, 'bookmodule/links.html')

def formatting(request):
    return render(request, 'bookmodule/formatting.html')

```

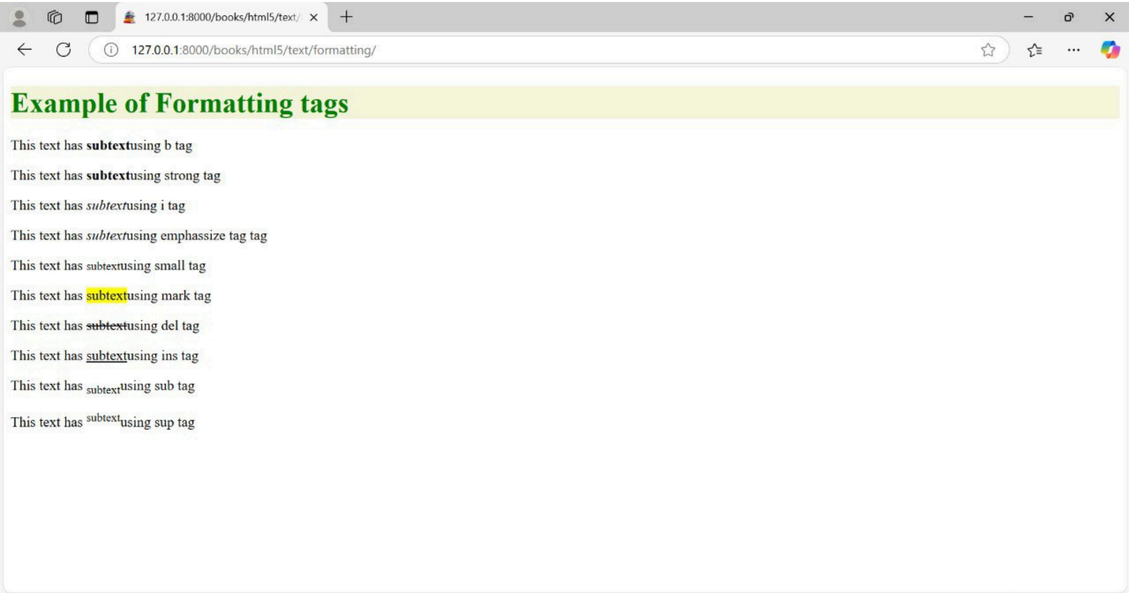


```html
{% extends "layouts/base2.html" %}

{% block content %}

<h1>Example of Formatting tags</h1>

<p>This text has <b>subtext</b>using b tag</p>
<p>This text has <strong>subtext</strong>using strong tag</p>
<p>This text has <i>subtext</i>using i tag</p>
<p>This text has <em>subtext</em>using emphassize tag tag</p>
<p>This text has <small>subtext</small>using small tag</p>
<p>This text has <mark>subtext</mark>using mark tag</p>
<p>This text has <del>subtext</del>using del tag</p>
<p>This text has <ins>subtext</ins>using ins tag</p>
<p>This text has <sub>subtext</sub>using sub tag</p>
<p>This text has <sup>subtext</sup>using sup tag</p>

{% endblock content %}

```



```css
.section1 a:hover {
}

.section2 a:hover {
    color: orange;
    text-decoration: underline;
}

.section3 a:hover {
    color: lightgray;
    text-decoration: underline;
}

a:visited {
    color: blue
}


h1 {
    background-color: #f5f5dc;
    color: green;
    text-align: left;
}
```

Task 2
Output


127.0.0.1:8000/books/html5/text/
127.0.0.1:8000/books/html5/text/formatting/

Example of Formatting tags

This text has **subtext**using b tag

This text has **subtext**using strong tag

This text has *subtext*using i tag

This text has *subtext*using emphassize tag tag

This text has subtextusing small tag

This text has subtextusing mark tag

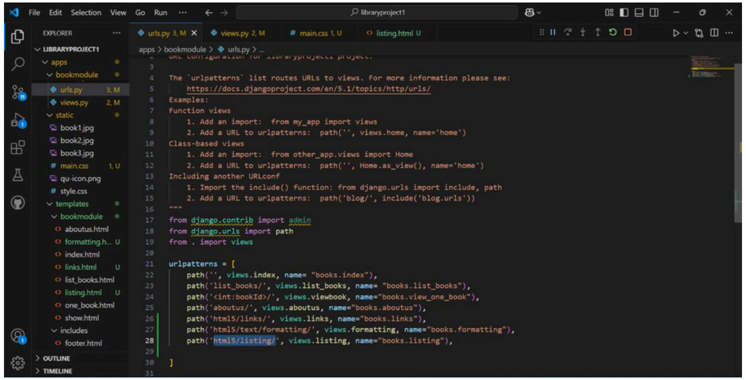
This text has ~~subtext~~using del tag

This text has subtextusing ins tag

This text has $_{\text{subtext}}$using sub tag

This text has $^{\text{subtext}}$using sup tag

Task 3
Code



```python
URL configuration for libraryproject1 project.

The `urlpatterns` list routes URLs to views. For more information please see:
    https://docs.djangoproject.com/en/5.1/topics/http/urls/
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    2. Add a URL to urlpatterns:  path('', Home.as_view(), name='home')
Including another URLconf
    1. Import the include() function: from django.urls import include, path
    2. Add a URL to urlpatterns:  path('blog/', include('blog.urls'))
"""
from django.contrib import admin
from django.urls import path
from . import views

urlpatterns = [
    path('', views.index, name= "books.index"),
    path('list_books/', views.list_books, name= "books.list_books"),
    path('<int:bookId>/', views.viewbook, name="books.view_one_book"),
    path('aboutus/', views.aboutus, name="books.aboutus"),
    path('html5/links/', views.links, name="books.links"),
    path('html5/text/formatting/', views.formatting, name="books.formatting"),
    path('html5/listing/', views.listing, name="books.listing"),

]
```
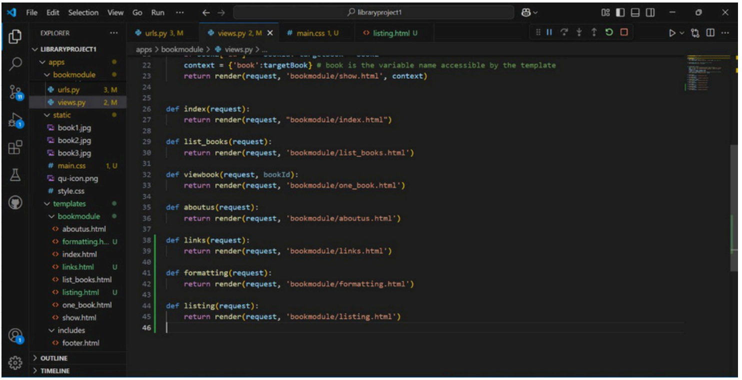
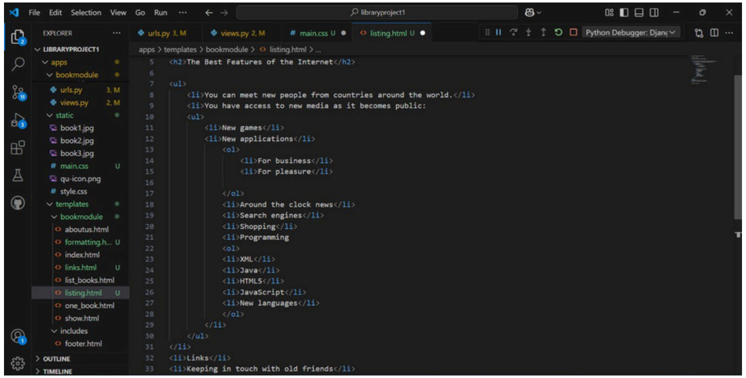
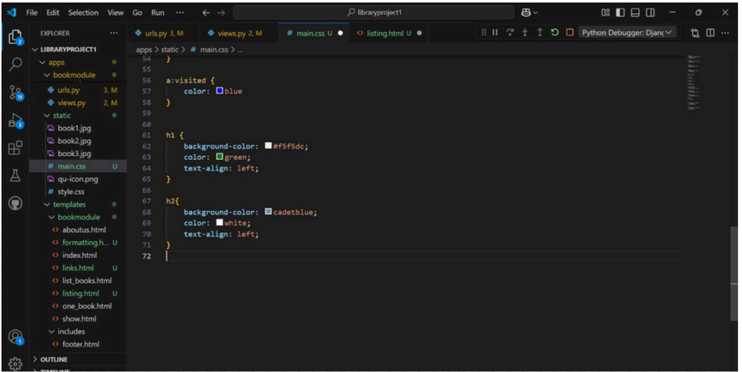



```python
    context = {'book':targetBook} # book is the variable name accessible by the template
    return render(request, 'bookmodule/show.html', context)


def index(request):
    return render(request, "bookmodule/index.html")

def list_books(request):
    return render(request, 'bookmodule/list_books.html')

def viewbook(request, bookId):
    return render(request, 'bookmodule/one_book.html')

def aboutus(request):
    return render(request, 'bookmodule/aboutus.html')

def links(request):
    return render(request, 'bookmodule/links.html')

def formatting(request):
    return render(request, 'bookmodule/formatting.html')

def listing(request):
    return render(request, 'bookmodule/listing.html')
```

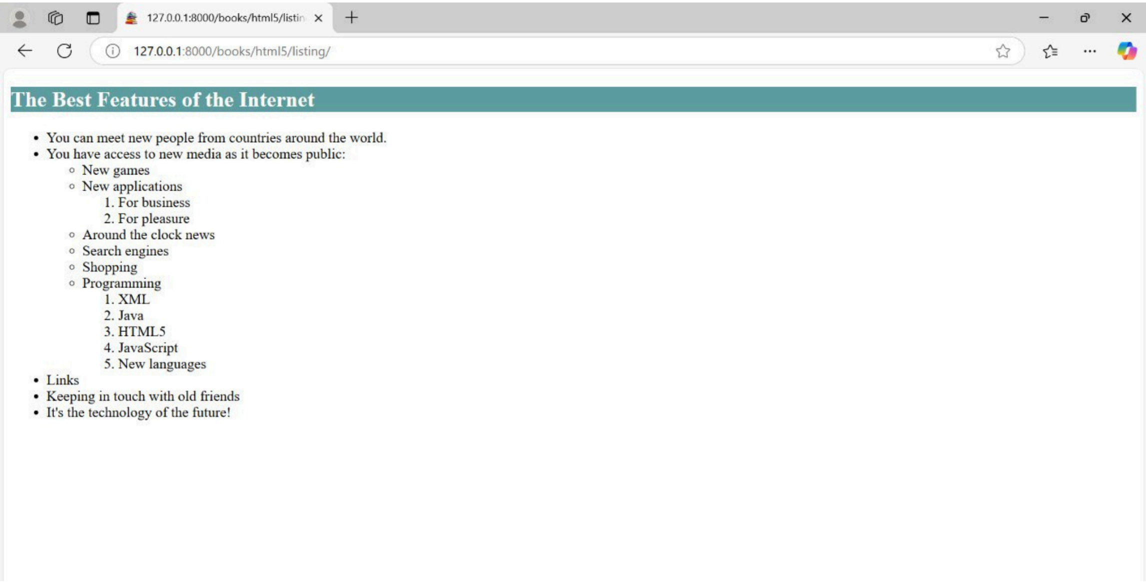


```html
<h2>The Best Features of the Internet</h2>

<ul>
    <li>You can meet new people from countries around the world.</li>
    <li>You have access to new media as it becomes public:
    <ul>
        <li>New games</li>
        <li>New applications</li>
            <ol>
                <li>For business</li>
                <li>For pleasure</li>

            </ol>
            <li>Around the clock news</li>
            <li>Search engines</li>
            <li>Shopping</li>
            <li>Programming
            <ol>
            <li>XML</li>
            <li>Java</li>
            <li>HTML5</li>
            <li>JavaScript</li>
            <li>New languages</li>
            </ol>
        </li>
    </ul>
</li>
<li>Links</li>
<li>Keeping in touch with old friends</li>
```



```css
}

a:visited {
    color: blue
}


h1 {
    background-color: #f5f5dc;
    color: green;
    text-align: left;
}

h2{
    background-color: cadetblue;
    color: white;
    text-align: left;
}
```

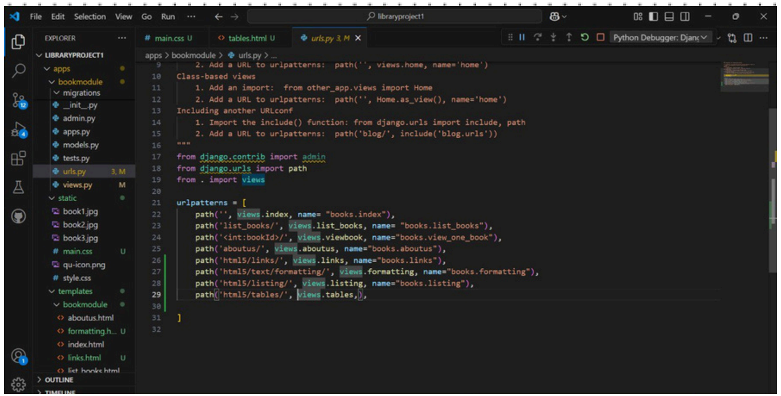
Task 3
Output


127.0.0.1:8000/books/html5/listin
127.0.0.1:8000/books/html5/listing/

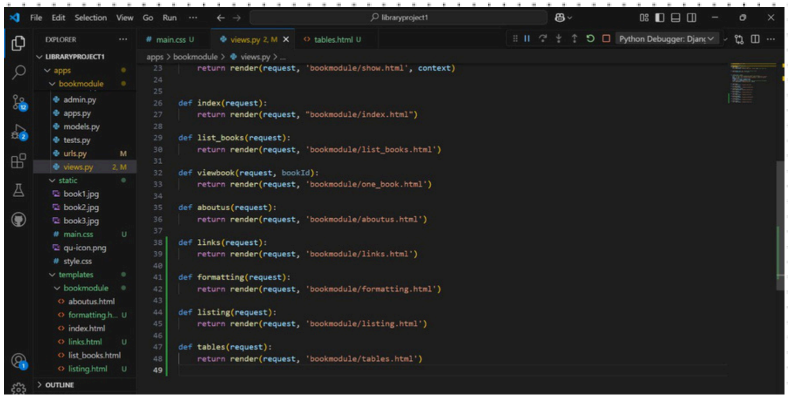
The Best Features of the Internet

- You can meet new people from countries around the world.
- You have access to new media as it becomes public:
  - New games
  - New applications
    1. For business
    2. For pleasure
  - Around the clock news
  - Search engines
  - Shopping
  - Programming
    1. XML
    2. Java
    3. HTML5
    4. JavaScript
    5. New languages
- Links
- Keeping in touch with old friends
- It's the technology of the future!

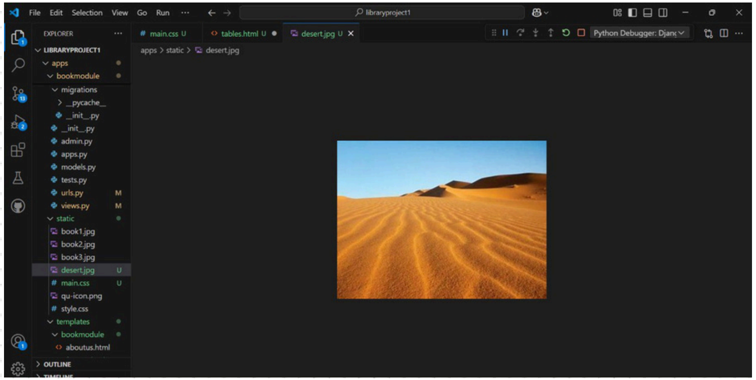
Task 4 Code



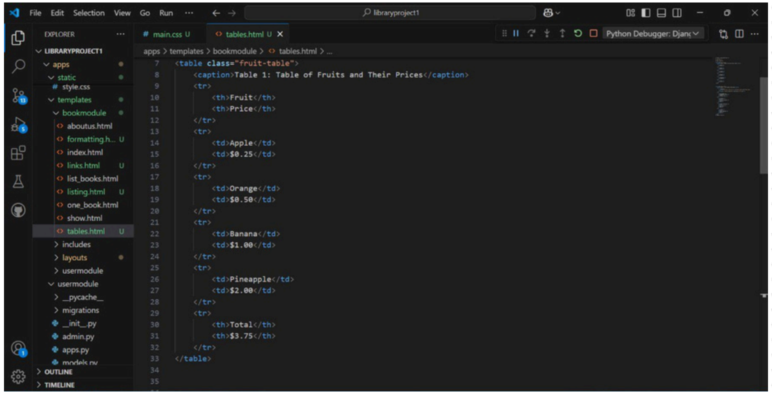
```python
    2. Add a URL to urlpatterns:  path('', views.home, name='home')
Class-based views
    1. Add an import:  from other_app.views import Home
    2. Add a URL to urlpatterns:  path('', Home.as_view(), name='home')
Including another URLconf
    1. Import the include() function: from django.urls import include, path
    2. Add a URL to urlpatterns:  path('blog/', include('blog.urls'))
"""
from django.contrib import admin
from django.urls import path
from . import views

urlpatterns = [
    path('', views.index, name= "books.index"),
    path('list_books/', views.list_books, name= "books.list_books"),
    path('<int:bookId>/', views.viewbook, name="books.view_one_book"),
    path('aboutus/', views.aboutus, name="books.aboutus"),
    path('html5/links/', views.links, name="books.links"),
    path('html5/text/formatting/', views.formatting, name="books.formatting"),
    path('html5/listing/', views.listing, name="books.listing"),
    path('html5/tables/', views.tables,),

]
```



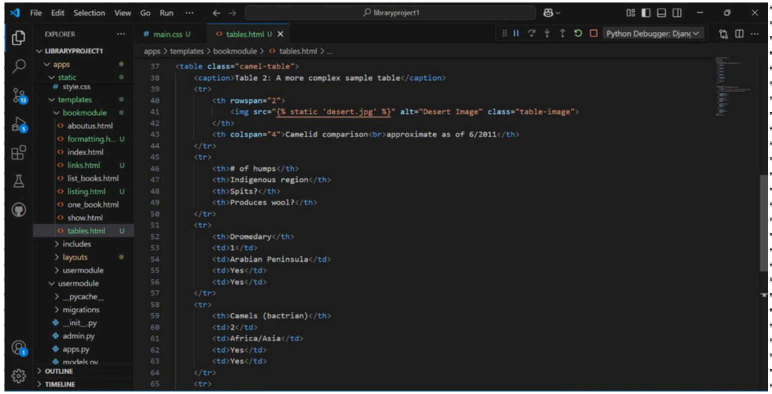
```python
    return render(request, 'bookmodule/show.html', context)


def index(request):
    return render(request, "bookmodule/index.html")

def list_books(request):
    return render(request, 'bookmodule/list_books.html')

def viewbook(request, bookId):
    return render(request, 'bookmodule/one_book.html')

def aboutus(request):
    return render(request, 'bookmodule/aboutus.html')

def links(request):
    return render(request, 'bookmodule/links.html')

def formatting(request):
    return render(request, 'bookmodule/formatting.html')

def listing(request):
    return render(request, 'bookmodule/listing.html')

def tables(request):
    return render(request, 'bookmodule/tables.html')
```



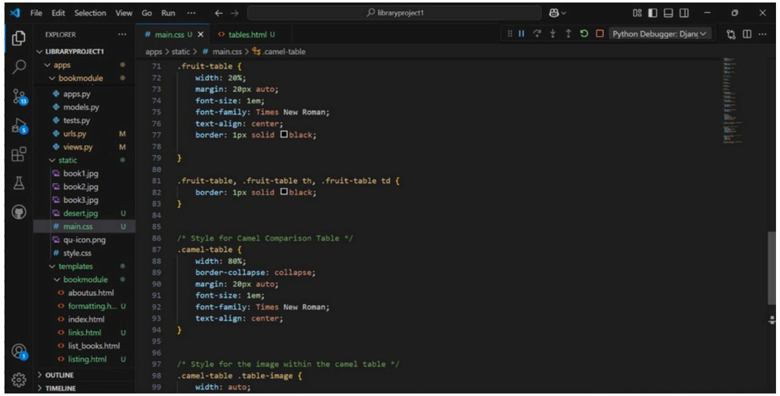
Task 4
Code



```html
<table class="fruit-table">
    <caption>Table 1: Table of Fruits and Their Prices</caption>
    <tr>
        <th>Fruit</th>
        <th>Price</th>
    </tr>
    <tr>
        <td>Apple</td>
        <td>$0.25</td>
    </tr>
    <tr>
        <td>Orange</td>
        <td>$0.50</td>
    </tr>
    <tr>
        <td>Banana</td>
        <td>$1.00</td>
    </tr>
    <tr>
        <td>Pineapple</td>
        <td>$2.00</td>
    </tr>
    <tr>
        <th>Total</th>
        <th>$3.75</th>
    </tr>
</table>
```



```html
<table class="camel-table">
    <caption>Table 2: A more complex sample table</caption>
    <tr>
        <th rowspan="2">
            <img src="{% static 'desert.jpg' %}" alt="Desert Image" class="table-image">
        </th>
        <th colspan="4">Camelid comparison<br>approximate as of 6/2011</th>
    </tr>
    <tr>
        <th># of humps</th>
        <th>Indigenous region</th>
        <th>Spits?</th>
        <th>Produces wool?</th>
    </tr>
    <tr>
        <th>Dromedary</th>
        <td>1</td>
        <td>Arabian Peninsula</td>
        <td>Yes</td>
        <td>Yes</td>
    </tr>
    <tr>
        <th>Camels (bactrian)</th>
        <td>2</td>
        <td>Africa/Asia</td>
        <td>Yes</td>
        <td>Yes</td>
    </tr>
    <tr>
```



```css
.fruit-table {
    width: 20%;
    margin: 20px auto;
    font-size: 1em;
    font-family: Times New Roman;
    text-align: center;
    border: 1px solid black;

}

.fruit-table, .fruit-table th, .fruit-table td {
    border: 1px solid black;
}


/* Style for Camel Comparison Table */
.camel-table {
    width: 80%;
    border-collapse: collapse;
    margin: 20px auto;
    font-size: 1em;
    font-family: Times New Roman;
    text-align: center;
}


/* Style for the image within the camel table */
.camel-table .table-image {
    width: auto;
```

Task 4
Output

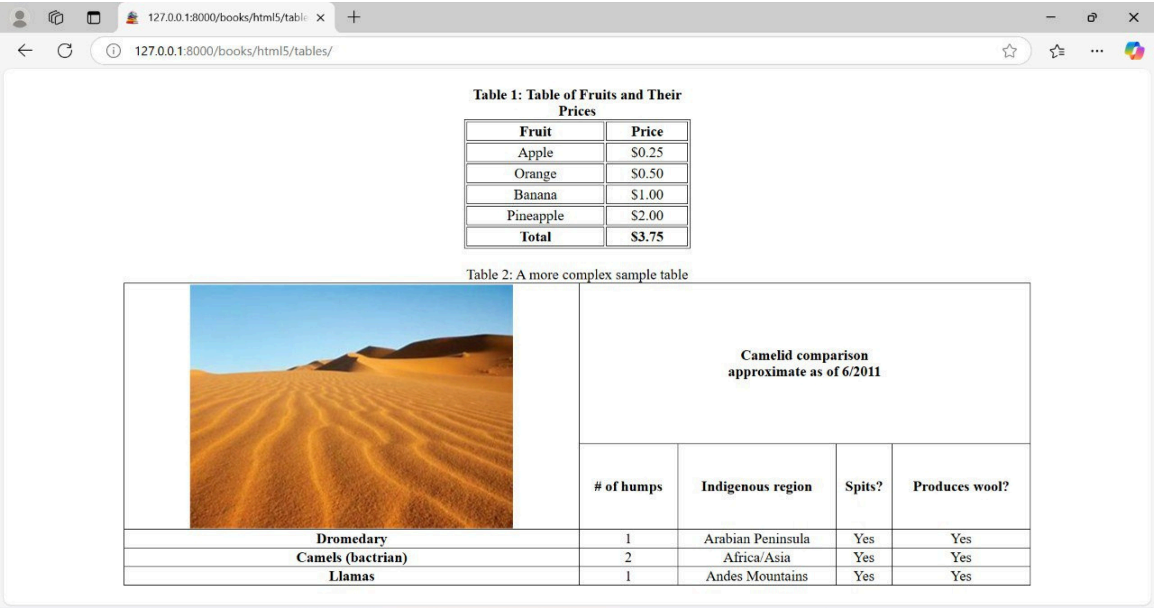

127.0.0.1:8000/books/html5/table
127.0.0.1:8000/books/html5/tables/

Table 1: Table of Fruits and Their Prices

Fruit	Price
Apple	$0.25
Orange	$0.50
Banana	$1.00
Pineapple	$2.00
Total	**$3.75**

Table 2: A more complex sample table

	Camelid comparison approximate as of 6/2011			
	# of humps	Indigenous region	Spits?	Produces wool?
Dromedary	1	Arabian Peninsula	Yes	Yes
Camels (bactrian)	2	Africa/Asia	Yes	Yes
Llamas	1	Andes Mountains	Yes	Yes