Lab 6

Revision

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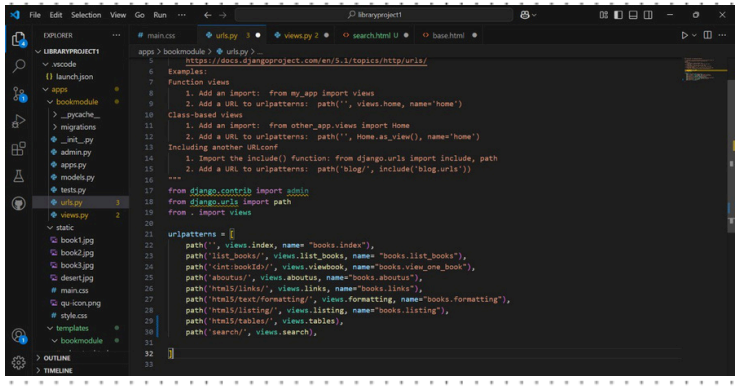
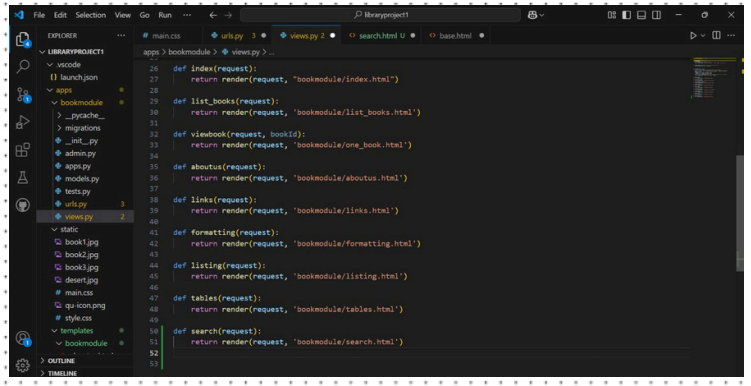
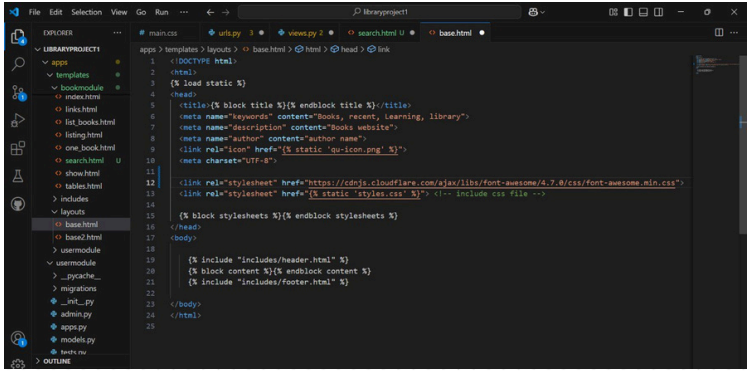
Task 1
Code



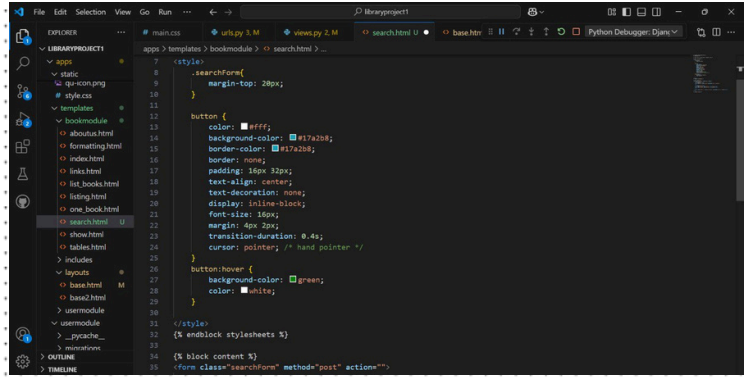
```
"""
    https://docs.djangoproject.com/en/5.1/topics/http/urls/
Examples:
Function views
    1. Add an import:  from my_app import views
    2. Add a URL to urlpatterns:  path('', views.home, name='home')
Class-based views
    1. Add an import:  from other_app.views import Home
    2. Add a URL to 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"),
    path('html5/text/formatting/', views.formatting, name="books.formatting"),
    path('html5/listing/', views.listing, name="books.listing"),
    path('html5/tables/', views.tables),
    path('search/', views.search),

]
```



```
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')

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

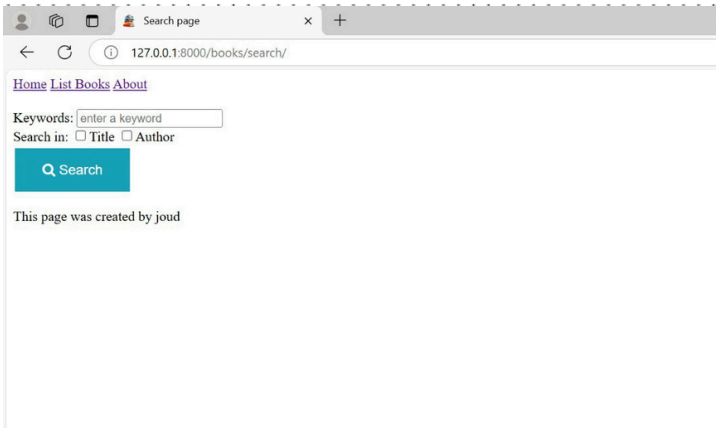


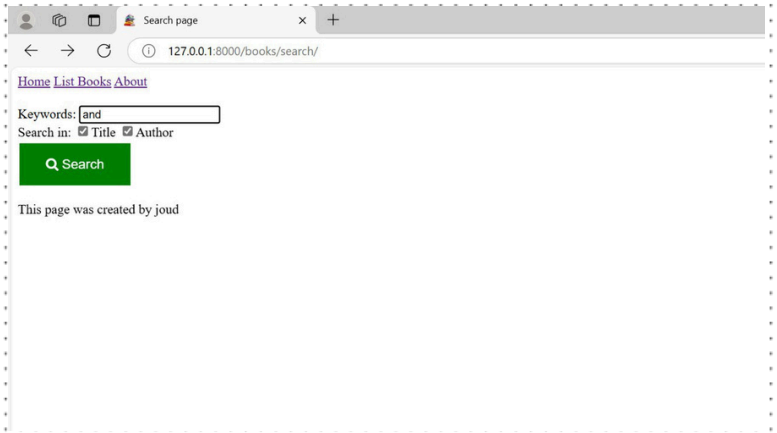
```
<!DOCTYPE html>
<html>
{% load static %}
<head>
  <title>{% block title %}{% endblock title %}</title>
  <meta name="keywords" content="Books, recent, Learning, library">
  <meta name="description" content="Books website">
  <meta name="author" content="author name">
  <link rel="icon" href="{% static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

  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
  <link rel="stylesheet" href="{% static 'styles.css' %}"> <!-- include css file -->

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

    {% include "includes/header.html" %}
    {% block content %}{% endblock content %}
    {% include "includes/footer.html" %}

</body>
</html>
```



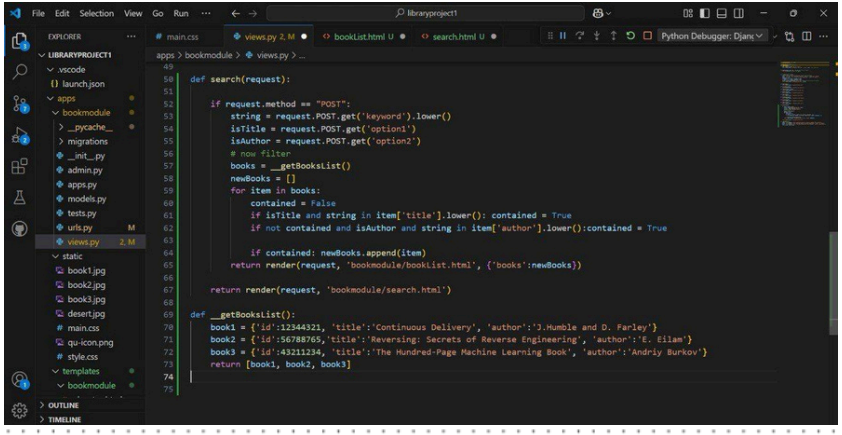
```
<style>
    .searchForm{
        margin-top: 20px;
    }

    button {
        color: #fff;
        background-color: #17a2b8;
        border-color: #17a2b8;
        border: none;
        padding: 16px 32px;
        text-align: center;
        text-decoration: none;
        display: inline-block;
        font-size: 16px;
        margin: 4px 2px;
        transition-duration: 0.4s;
        cursor: pointer; /* hand pointer */
    }
    button:hover {
        background-color: green;
        color: white;
    }

</style>
{% endblock stylesheets %}

{% block content %}
<form class="searchForm" method="post" action="">
```

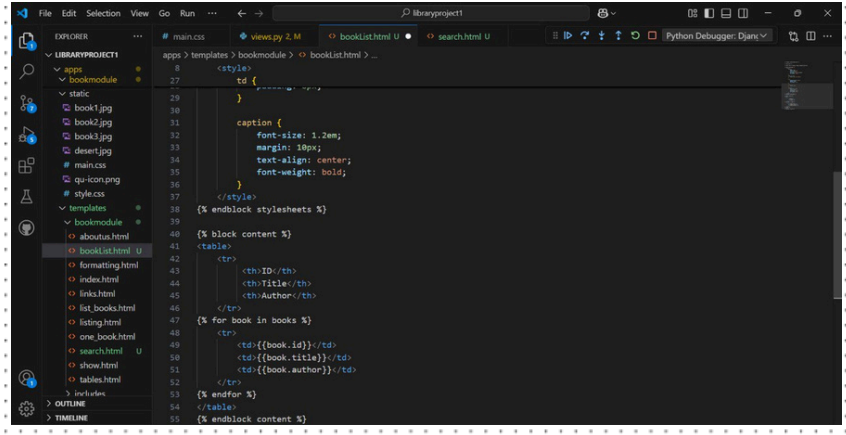
Task 1
Output





Task 2
Code


def search(request):
if request.method == "POST":
string = request.POST.get('keyword').lower()
isTitle = request.POST.get('option1')
isAuthor = request.POST.get('option2')
books = __getBooksList()
newBooks = []
for item in books:
contained = False
if isTitle and string in item['title'].lower(): contained = True
if not contained and isAuthor and string in item['author'].lower():contained = True
if contained: newBooks.append(item)
return render(request, 'bookmodule/bookList.html', {'books':newBooks})
return render(request, 'bookmodule/search.html')
def __getBooksList():
book1 = {'id':12344321, 'title':'Continuous Delivery', 'author':'J.Humble and D. Farley'}
book2 = {'id':56788765,'title':'Reversing: Secrets of Reverse Engineering', 'author':'E. Eilam'}
book3 = {'id':43211234, 'title':'The Hundred-Page Machine Learning Book', 'author':'Andriy Burkov'}
return [book1, book2, book3]


td {
}
caption {
font-size: 1.2em;
margin: 10px;
text-align: center;
font-weight: bold;
}
{% endblock stylesheets %}
{% block content %}
<table>
<tr>
<th>ID</th>
<th>Title</th>
<th>Author</th>
</tr>
{% for book in books %}
<tr>
<td>{{book.id}}</td>
<td>{{book.title}}</td>
<td>{{book.author}}</td>
</tr>
{% endfor %}
</table>
{% endblock content %}

Task 2
Output