







## The code of lab 6:

```
{% extends "layouts/base.html" %}
{% load static %}
{% block title %} Searching Page {% endblock title %}
{% block stylesheets %}
<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="">
    {% csrf_token %}
    <label>Keywords:</label>
    <input type="text" name="keyword" placeholder="enter a keyword"/>
    <br/>

    <label>Search in:</label>
    <input type="checkbox" name="option1"/><label>Title</label>
    <input type="checkbox" name="option2"/><label>Author</label>
    <br/>

    <button type="submit" ><i class="fa fa-search" aria-
hidden="true"></i> Search</button>
</form>
{% endblock content %}

```

```

{% extends "layouts/base.html" %}
{% block title %} Search Results {% endblock title %}

{% block content %}
<h2>Search Results</h2>

{% if books %}
    <ul>
        {% for book in books %}
            <li><strong>{{ book.title }}</strong> - {{ book.author }}</li>
        {% endfor %}
    </ul>
{% else %}
    <p>No books found matching your search criteria.</p>
{% endif %}

<a href="{% url 'bookmodule.search' %}">Back to Search</a>
{% endblock content %}

```

```

def search(request):

    if request.method == "POST":
        string = request.POST.get('keyword').lower()
        isTitle = request.POST.get('option1')
        isAuthor = request.POST.get('option2')

        # now filter
        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]

```

```

from django.urls import path
from . import views
from . import apps
urlpatterns = [
    path('formatting/', views.formatting, name="bookmodule.formatting"),
    path('listing/', views.listing, name="bookmodule.listing"),
    path('tables/', views.tables, name="bookmodule.tables"),
    path('search/', views.search, name="bookmodule.search"),
]

```

