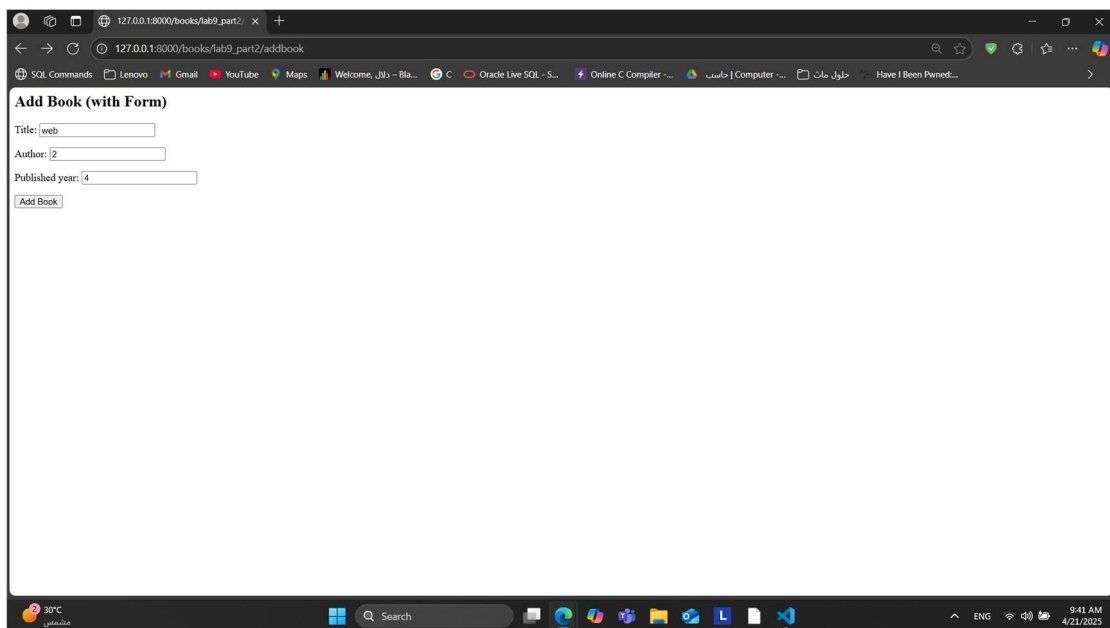
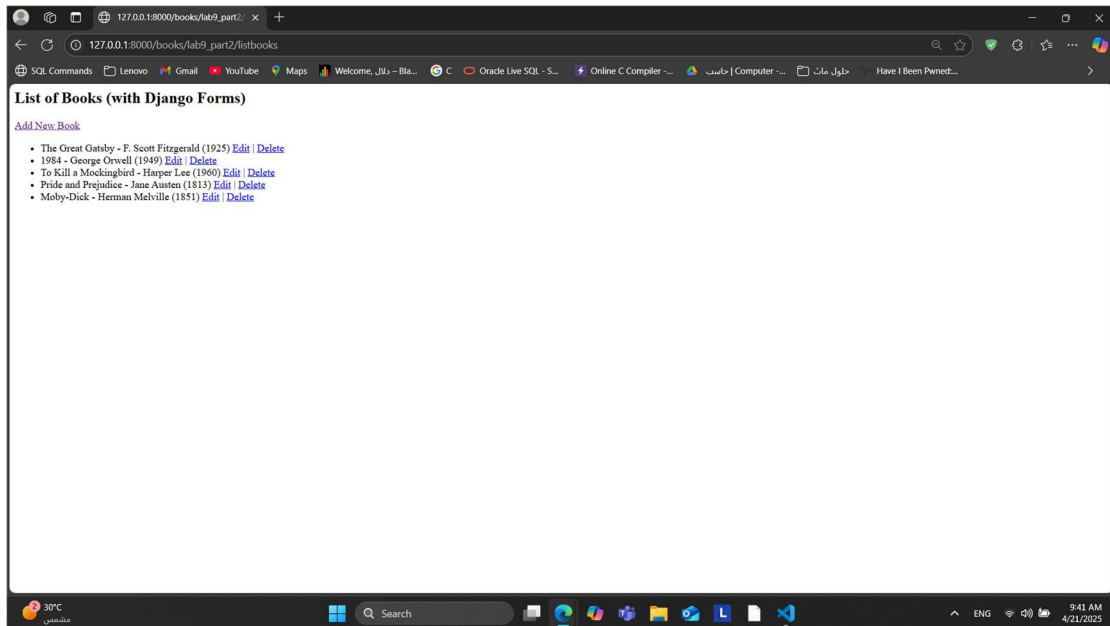
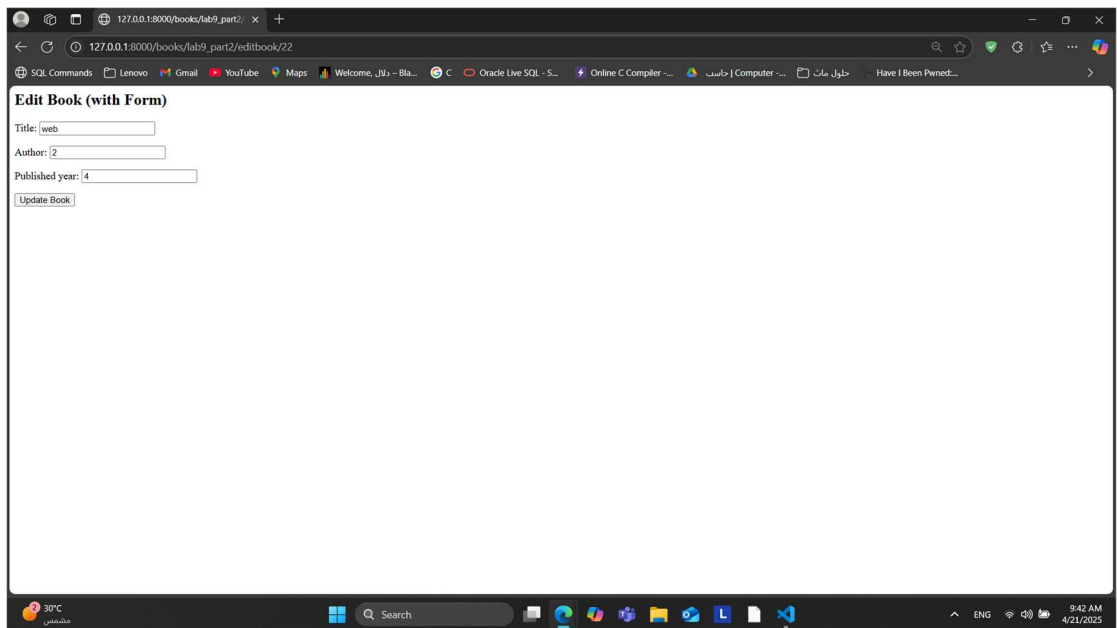
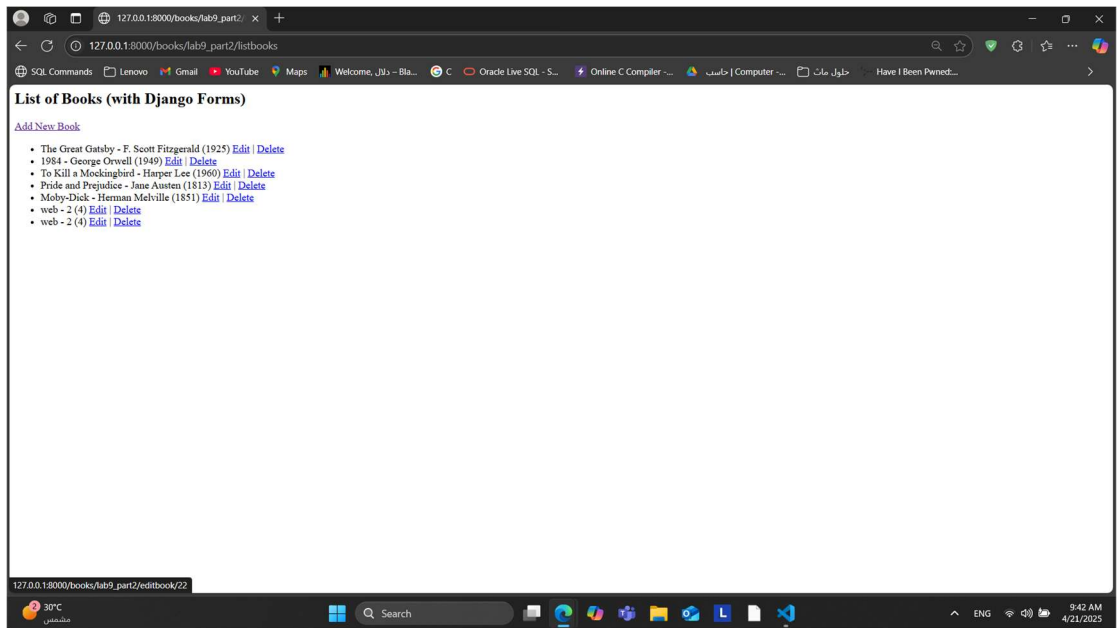
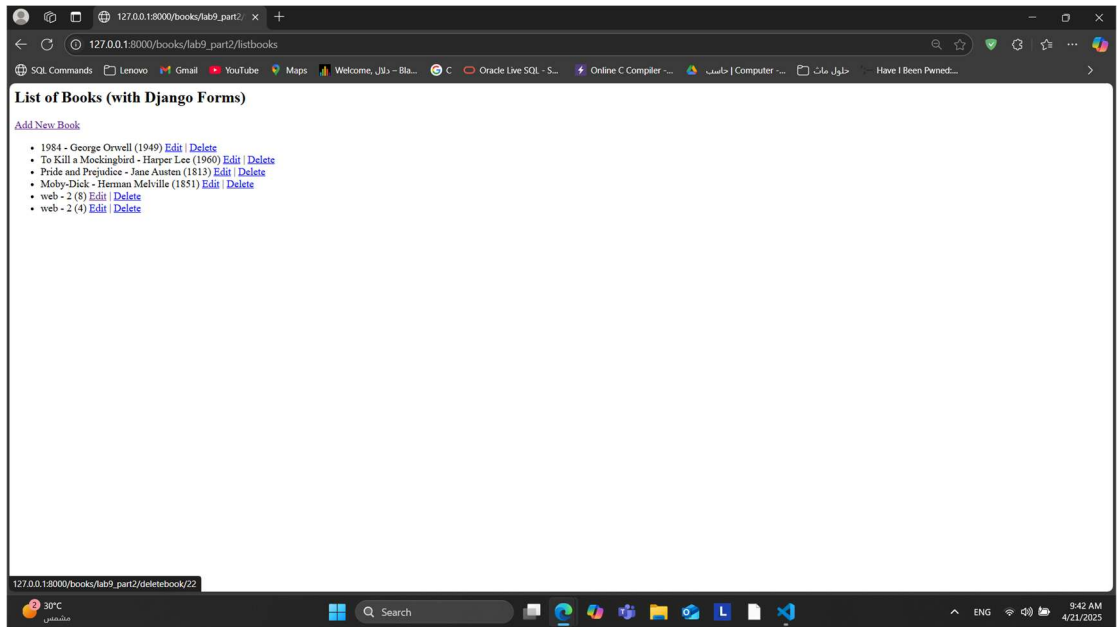
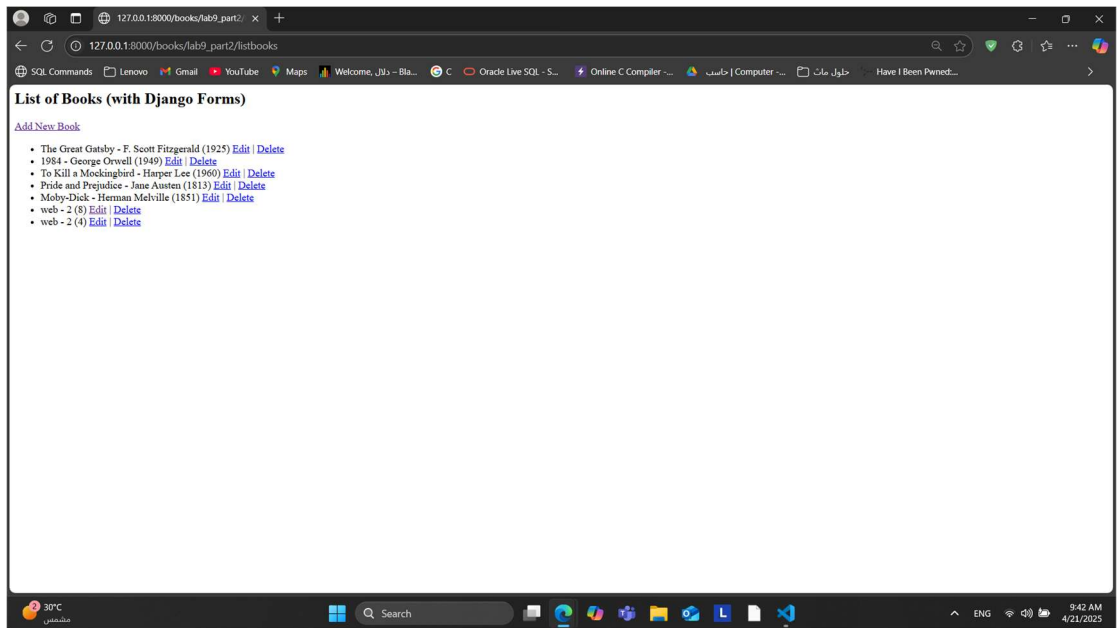
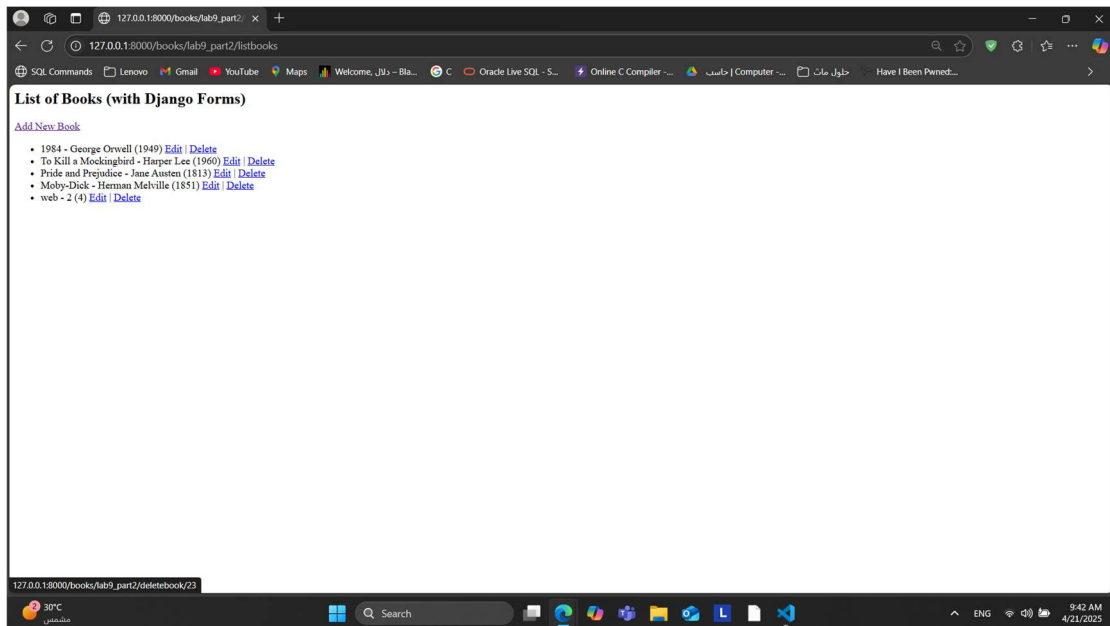


## Part 2 lab 10:









```
from django.urls import path

from . import views

urlpatterns = [
    # Part 2 (باستخدام Django forms)
    path('lab9_part2/listbooks', views.list_books_part2,
name='list_books_part2'),
    path('lab9_part2/addbook', views.add_book_part2,
name='add_book_part2'),
    path('lab9_part2/editbook/<int:id>', views.edit_book_part2,
name='edit_book_part2'),
    path('lab9_part2/deletebook/<int:id>', views.delete_book_part2,
name='delete_book_part2'),
]

# Part 2: باستخدام Django Forms
def list_books_part2(request):
    books = Book.objects.all()
    return render(request, 'books/part2_list_books.html', {'books':
books})

def add_book_part2(request):
    if request.method == 'POST':
        form = BookForm(request.POST)
        if form.is_valid():
            form.save()
            return redirect('/books/lab9_part2/listbooks') # تجنب استخدام
الأسماء لتحديد المسار بشكل مباشر

    else:
```

```

        form = BookForm()
        return render(request, 'books/part2_add_book.html', {'form': form})

def edit_book_part2(request, id):
    book = get_object_or_404(Book, pk=id)
    form = BookForm(request.POST or None, instance=book)
    if form.is_valid():
        form.save()
        return redirect('/books/lab9_part2/listbooks') # تجنب استخدام الأسماء
        # لتحديد المسار بشكل مباشر

    return render(request, 'books/part2_edit_book.html', {'form':
form})

def delete_book_part2(request, id):
    book = get_object_or_404(Book, pk=id)
    book.delete()
    return redirect('/books/lab9_part2/listbooks') # تجنب استخدام الأسماء لتحديد
    # المسار بشكل مباشر

```

```

<h2>{% if form.instance.pk %}Edit{% else %}Add{% endif %} Book (with
Form)</h2>
<form method="post">
    {% csrf_token %}
    {{ form.as_p }}
    <input type="submit" value="{% if form.instance.pk %}Update{% else
}%}Add{% endif %} Book">
</form>

```

```

<h2>{% if form.instance.pk %}Edit{% else %}Add{% endif %} Book
(with Form)</h2>
<form method="post">
    {% csrf_token %}
    {{ form.as_p }}
    <input type="submit" value="{% if form.instance.pk %}Update{% else
}%}Add{% endif %} Book">
</form>

```

```

<h2>List of Books (with Django Forms)</h2>
<a href="{% url 'books:add_book_part2' %}">Add New Book</a>

```

```

<ul>
  {% for book in books %}
    <li>{{ book.title }} - {{ book.author }} ({{ book.published_year
  }})
      <a href="{% url 'books:edit_book_part2' book.id %}">Edit</a> |
      <a href="{% url 'books:delete_book_part2' book.id
  %}">Delete</a>
    </li>
  {% endfor %}
</ul>

```

```

from django.db import models

class Book(models.Model):
    title = models.CharField(max_length=200)
    author = models.CharField(max_length=100)
    published_year = models.IntegerField()

    def __str__(self):
        return self.title

```