

新建数据库，在数据库中加入 30 名学生信息。

```
In [2]: from myapp.models import Student

In [3]: for i in range(1, 31):
...:     Student.objects.create(name=f'Student {i}', roll_number=i, age=20)
...:

In [4]: exit()
```

同时设计视图函数

```
def student_list(request):
    student_list = Student.objects.all()

    # 每页显示 10 条学生信息
    paginator = Paginator(student_list, 10)
    page = request.GET.get('page')

    try:
        students = paginator.page(page)
    except PageNotAnInteger:
        # 如果 page 参数不是一个整数，则显示第一页
        students = paginator.page(1)
    except EmptyPage:
        # 如果 page 参数超出范围，则显示最后一页
        students = paginator.page(paginator.num_pages)

    # 计算当前页和总页数
    current_page = students.number
    total_pages = paginator.num_pages

    return render(request, 'student_list.html', locals())
```

以及前端界面

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>学生信息</title>
</head>
<body>
    <h1>学生信息</h1>
    <ul>
        {% for student in students %}
        <li>{{ student.name }} - {{ student.roll_number }} - {{ student.age }}</li>
        {% endfor %}
    </ul>
    <!-- 显示上一页、下一页链接 -->
    <div>
        {% if students.has_previous %}
        <a href="?page=1">首页</a>
        <a href="?page={{ students.previous_page_number }}">上一页</a>
        {% endif %}
        <span>{{ current_page }} / {{ total_pages }}</span>
        {% if students.has_next %}
        <a href="?page={{ students.next_page_number }}">下一页</a>
        <a href="?page={{ total_pages }}">尾页</a>
        {% endif %}
    </div>
</body>
</html>
```

达到以下效果：

学生信息

- Student 1 - 1 - 20
- Student 2 - 2 - 20
- Student 3 - 3 - 20
- Student 4 - 4 - 20
- Student 5 - 5 - 20
- Student 6 - 6 - 20
- Student 7 - 7 - 20
- Student 8 - 8 - 20
- Student 9 - 9 - 20
- Student 10 - 10 - 20

学生信息

- Student 11 - 11 - 20
- Student 12 - 12 - 20
- Student 13 - 13 - 20
- Student 14 - 14 - 20
- Student 15 - 15 - 20
- Student 16 - 16 - 20
- Student 17 - 17 - 20
- Student 18 - 18 - 20
- Student 19 - 19 - 20
- Student 20 - 20 - 20

学生信息

- Student 21 - 21 - 20
- Student 22 - 22 - 20
- Student 23 - 23 - 20
- Student 24 - 24 - 20
- Student 25 - 25 - 20
- Student 26 - 26 - 20
- Student 27 - 27 - 20
- Student 28 - 28 - 20
- Student 29 - 29 - 20
- Student 30 - 30 - 20