Give [**Paginator**](https://docs.djangoproject.com/en/2.1/topics/pagination/#django.core.paginator.Paginator) a list of objects, plus the number of items you’d like to have on each page, and it gives you methods for accessing the items for each page:

**Example**

**from** **django.core.paginator** **import** Paginator

objects = ['Ravi', 'kumar', 'Krishna', 'Mohan']

p = Paginator(objects, 2)

print(p.count) # 4

print(p.num\_pages) # 2

page1 = p.page(1)

print(page1) # <Page 1 of 2>

print(page1.object\_list ) # ['Ravi', 'kumar']

page2 = p.page(2)

print(page2.object\_list) # ['george', 'ringo']

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print(page2.has\_next()) # False

print(page2.has\_previous()) # True

print(page2.has\_other\_pages()) # True

print(page2.next\_page\_number()) # Error

**Paginator Methods**

|  |
| --- |
| **has\_next()** |
| **has\_previous()** |
| **has\_other\_pages()** |
| **next\_page\_number()** |
| **previous\_page\_number()** |
| **start\_index()** |
| **end\_index()** |

**Note:** The **Page.next\_page\_number()** and **Page.previous\_page\_number()** methods raises **InvalidPage** if **next/previous** page doesn’t exist.

**class** CreateProduct(CreateView,ListView):  
 template\_name = **"index.html"** model = Product  
 success\_url = **'/index/'** fields = **'\_\_all\_\_'** paginate\_by = 3  
 queryset = Product.objects.all()

<**tr**>  
 <**th colspan="5"**>  
 {% **if is\_paginated** %}  
 {% **if page\_obj**.**has\_previous** %}  
 <**a href="?page=**{{ **page\_obj**.**previous\_page\_number** }}**"**>  
 Previous  
 </**a**>  
 {% **endif** %}  
 {% **if page\_obj**.**has\_next**%}  
  
 <**a href="?page=**{{ **page\_obj**.**next\_page\_number** }}**"**>  
 Next  
 </**a**>  
 {% **endif** %}  
 {% **endif** %}  
 </**th**>  
</**tr**>

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using forms example

**class** StudentModel(models.Model):  
 idno = models.AutoField(primary\_key =**True**)  
 name = models.CharField(max\_length=30)  
 contatno = models.IntegerField(unique=**True**)  
 courses = models.ManyToManyField(CourseModel)

**class** StudentForm(forms.ModelForm):  
 **class** Meta:  
 model = StudentModel  
 fields = **"\_\_all\_\_"**

**from** django.shortcuts **import** render,redirect  
**from** app28.forms **import** CourseForm,StudentForm  
**from** django.contrib **import** messages  
**from** app28.models **import** StudentModel  
**from** django.core.paginator **import** Paginator

**def** viewAll(request):  
 sm = StudentModel.objects.all()  
 page\_no = request.GET.get(**"page"**,1)  
 p = Paginator(sm,2)  
 page = p.page(page\_no)  
  
 **return** render(request,**"viewall.html"**,{**"data"**:page})

<**table align="center" border="2"**>  
 <**tr**>  
 <**th**>IDNO</**th**>  
 <**th width="200"**>NAME</**th**>  
 <**th width="150"**>CONTACT NO</**th**>  
 <**th**>SUBJECTS</**th**>  
 </**tr**>  
  
 {% **for x in data** %}  
 <**tr**>  
 <**td**>{{ **x**.**idno** }}</**td**>  
 <**td width="200"**>{{ **x**.**name** }}</**td**>  
 <**td width="150"**>{{ **x**.**contatno** }}</**td**>  
 <**td**>  
 {% **for s in x**.**courses**.**all** %}  
 <**h5**>{{ **s** }}</**h5**>  
 {% **endfor** %}  
 </**td**>  
 </**tr**>  
 {% **endfor** %}  
  
 {% **if data**.**has\_other\_pages** %}  
 <**tr**>  
 <**th**>  
 {% **for x in data**.**paginator**.**page\_range** %}  
 <**a href="?page=**{{ **x** }}**"**>{{ **x** }}</**a**>  
 {% **endfor** %}  
 </**th**>  
 </**tr**>  
 {% **endif** %}  
</**table**>

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