**Video file :88**

**Code file :ch79**

**RedirectView in Django 5**

In last I also provide the gpt solution

From these we use this :

Urls.py:

from django.urls import path,include

from django.views.generic.base  import TemplateView,RedirectView

from myapp import views

urlpatterns = [

    path('', TemplateView.as\_view(template\_name='myapp/home.html'),name='home'),

    path('home/', RedirectView.as\_view(url='/'),name='home1'),

]

Also we have another method with view .py :

Views.py:

from django.shortcuts import render

from django.views.generic.base  import RedirectView

urls.py:

from django.urls import path,include

from django.views.generic.base  import TemplateView,RedirectView

from myapp import views

urlpatterns = [

    path('index/', views.RedirectView.as\_view(url='/'),name='index'),

]

We also use this

  path('index/', views.RedirectView.as\_view(pattern\_name='home'),name='index'),

in this the pattern name can redirect the home means where the url we wrote the url name home so it uses name to redirect

another method :

urls.py:

from django.urls import path,include

from django.views.generic.base  import TemplateView,RedirectView

from myapp import views

urlpatterns = [

    path('', TemplateView.as\_view(template\_name='myapp/home.html'),name='home'),

    p

    path('newhome/', views.NewClassView.as\_view(),name='newhome'),

]

Views.py:

from django.shortcuts import render

from django.views.generic.base  import RedirectView

# Create your views here.

class NewClassView(RedirectView):

    # url = "/"

    # pattern\_name='home'   #here we also pass pattern\_name

    url = 'http://google.com'       # here we also pass the external link

here are complete code :

views.py:

from django.shortcuts import render

from django.views.generic.base  import RedirectView

# Create your views here.

class NewClassView(RedirectView):

    # url = "/"

    # pattern\_name='home'   #here we also pass pattern\_name

    url = 'http://google.com'       # here we also pass the external link

class SuccessClassView(RedirectView):

    pattern\_name = 'profile'

    query\_string= True #if we search like  in query set :http://127.0.0.1:8000/success/1?username=talha

    def get\_redirect\_url(self, \*args, \*\*kwargs):

        print(kwargs)

        return super().get\_redirect\_url(\*args, \*\*kwargs)

urls.py:

from django.urls import path,include

from django.views.generic.base  import TemplateView,RedirectView

from myapp import views

urlpatterns = [

    path('', TemplateView.as\_view(template\_name='myapp/home.html'),name='home'),

    path('home/', RedirectView.as\_view(url='/'),name='home1'),

    # path('index/', views.RedirectView.as\_view(url='/'),name='index'),

    path('index/', views.RedirectView.as\_view(pattern\_name='home'),name='index'),

    path('newhome/', views.NewClassView.as\_view(),name='newhome'),

    path('profile/<int:id>', TemplateView.as\_view(template\_name='myapp/profile.html'),name='profile'),

    path('login/', TemplateView.as\_view(template\_name='myapp/login.html'),name='login'),

    path('success/<int:id>', views.SuccessClassView.as\_view(),name='success'),

]

# Django 5 – RedirectView (Generic Class-Based View)

## 1. What is RedirectView?

* RedirectView is a **Generic Class-Based View (GCBV)** used to **redirect a request to a different URL**.
* Instead of writing manual logic with HttpResponseRedirect, Django provides this built-in view.
* Very useful for:
  + Redirecting old URLs to new ones (SEO-friendly).
  + Shortcuts (like / → /home/).
  + Temporary or permanent redirects.

👉 Import:

from django.views.generic.base import RedirectView

## 2. Basic Syntax

path('old-url/', RedirectView.as\_view(url='/new-url/')),

👉 This means:

* Whenever someone visits /old-url/, Django will redirect them to /new-url/.

## 3. Features of RedirectView

* **url** → Destination URL.
* **permanent=True/False** →
  + True = **301 Permanent Redirect** (default).
  + False = **302 Temporary Redirect**.
* **query\_string=True/False** →
  + True = Keep the query parameters from the old URL.
  + False = Ignore them.

## 4. Examples

### 🔹 Example 1: Simple Redirect

from django.views.generic.base import RedirectView

from django.urls import path

urlpatterns = [

path('google/', RedirectView.as\_view(url='https://www.google.com'), name='google'),

]

👉 Visiting /google/ → redirects to Google.

### 🔹 Example 2: Redirect Inside Project

urlpatterns = [

path('old-home/', RedirectView.as\_view(url='/new-home/'), name='old-home'),

path('new-home/', TemplateView.as\_view(template\_name='myapp/home.html'), name='new-home'),

]

👉 Visiting /old-home/ → redirects to /new-home/.

### 🔹 Example 3: Temporary Redirect

urlpatterns = [

path('temp/', RedirectView.as\_view(url='/home/', permanent=False)),

]

👉 Returns **302 Redirect** instead of 301.

### 🔹 Example 4: Keeping Query Parameters

urlpatterns = [

path('search/', RedirectView.as\_view(url='https://www.google.com/search', query\_string=True)),

]

👉 Visiting /search/?q=django → redirects to https://www.google.com/search?q=django.

### 🔹 Example 5: Subclassing RedirectView

👉 You can also create a **custom redirect view** by subclassing.

# views.py

from django.views.generic.base import RedirectView

class MyRedirectView(RedirectView):

url = '/home/'

# Optional: override get\_redirect\_url() for custom logic

def get\_redirect\_url(self, \*args, \*\*kwargs):

print("Redirecting user...")

return super().get\_redirect\_url(\*args, \*\*kwargs)

# urls.py

path('go-home/', views.MyRedirectView.as\_view(), name='go-home'),

## 5. When to Use RedirectView?

* ✅ When you just want to **redirect one URL to another** (instead of writing a function).
* ✅ For **static redirections** (old → new URL).
* ✅ When you need to **preserve query parameters**.
* ✅ For SEO-friendly **permanent redirects**.

❌ Don’t use when you need **complex business logic** → use a normal view instead.

## 6. Summary

| **Option** | **Description** |
| --- | --- |
| url | Destination URL |
| permanent=True | 301 Permanent Redirect (default) |
| permanent=False | 302 Temporary Redirect |
| query\_string=True | Keeps query parameters |
| get\_redirect\_url() | Override for custom redirect logic |

✅ With this, you now fully understand **RedirectView in Django 5**:

* Syntax ✔
* Features ✔
* Examples ✔
* When to use ✔