Django delete view

Django Delete View[¶](https://learnbatta.com/course/django/delete-view/#django-delete-view)

* Django delete view used to delete a record from the database through user interaction.
* It identifies the object based on the primary key.

function based delete view[¶](https://learnbatta.com/course/django/delete-view/#function-based-delete-view)

* Look at the code below

from django.http import HttpResponse

from django.shortcuts import render, get\_object\_or\_404

from my\_app.models import Contact

def fbv\_delete\_view(request, pk):

obj = get\_object\_or\_404(Contact, id=pk)

if request.method.lower() == 'post':

obj.delete()

return HttpResponse('Delete success')

context = {'object': obj}

return render(request, 'delete\_template.html', context)

* For GET request, it shows info about the deleted object.
* Once user confirms the delete with POST request then it deletes the object and returns the response.

delete\_template.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Delete Object</title>

</head>

<body>

<h1>Delete Object</h1>

<p>Are you sure you want to delete the object with the following details?</p>

<p>Object ID: {{ object.id }}</p>

<p>Object Name: {{ object.name }}</p>

<!-- Add more details as needed -->

<form action="{% url 'fbv\_delete\_view' object.id %}" method="post">

{% csrf\_token %}

<button type="submit">Delete</button>

</form>

</body>

</html>

class based delete view[¶](https://learnbatta.com/course/django/delete-view/#class-based-delete-view)

* Django provides the generic view DeleteView to delete object.
* Look at the code below.

from django.http import HttpResponse

from django.views.generic.edit import DeleteView

from my\_app.models import Contact

class CBVDeleteView(DeleteView):

pk\_url\_kwarg = 'pk'

queryset = Contact.objects.all()

template\_name = 'delete\_template.html'

def form\_valid(self, form):

self.object = self.get\_object()

self.object.delete()

return HttpResponse('Delete success')

* It works same as the function based delete view implemented above.
* pk\_url\_kwarg - to identify the object or the record
* Attributes queryset or model or method get\_object() is required to get the object.

configure urls[¶](https://learnbatta.com/course/django/delete-view/" \l "configure-urls" \o "Permanent link)

* open my\_app/urls.py and add below code to it.

from django.urls import path

from my\_app import views

urlpatterns = [

# ...

path('fbv\_delete\_view/<int:pk>', views.fbv\_delete\_view, name='fbv\_delete\_view'),

path('cbv\_delete\_view/<int:pk>', views.CBVDeleteView.as\_view(), name='cbv\_delete\_view'),

# ...

]

* Open url <http://127.0.0.1:8000/my_app/fbv_delete_view/1> to delete the object using function based delete view.
* Open url <http://127.0.0.1:8000/my_app/cbv_delete_view/1> to delete the object using class based delete view.
* Replace the 1 with any id in the contact table.
* It throws 404 status code if id does not exist in the table.

References[¶](https://learnbatta.com/course/django/delete-view/#references)

* <https://docs.djangoproject.com/en/dev/ref/class-based-views/generic-editing/#django.views.generic.edit.DeleteView>
* <https://ccbv.co.uk/projects/Django/4.1/django.views.generic.edit/DeleteView/>