



Delete View – Function based Views Django

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Delete View refers to a view (logic) to delete a particular instance of a table from the database. It is used to delete entries in the database for example, deleting an article at geeksforgeeks. So Delete view must show a confirmation message to the user and should delete the instance automatically. Django provides extra-ordinary support for Delete Views but let's check how it is done manually through a function-based view. This article revolves around Delete View which involves concepts such as [Django Forms](#), [Django Models](#).

For Delete View, we need a project with some models and multiple instances that we can use for deleting.

Django Delete View – Function Based Views

Illustration of **How to create and use Delete view** using an Example. Consider a project named geeksforgeeks having an app named geeks.

Refer to the following articles to check how to create a project and an app in Django.

[Django](#) [Views](#) [Model](#) [Template](#) [Forms](#) [Jinja](#) [Python SQLite](#) [Flask](#) [Json](#) [Postman](#) [Interview Ques](#)

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After you have a project and an app, let's create a model of which we will be creating instances through our view. In geeks/models.py,

Python3

```
# import the standard Django Model
# from built-in library
```

```
from django.db import models

# declare a new model with a name "GeeksModel"
class GeeksModel(models.Model):

    # fields of the model
    title = models.CharField(max_length = 200)
    description = models.TextField()

    # renames the instances of the model
    # with their title name
    def __str__(self):
        return self.title
```

After creating this model, we need to run two commands in order to create Database for the same.

```
Python manage.py makemigrations
```

```
Python manage.py migrate
```

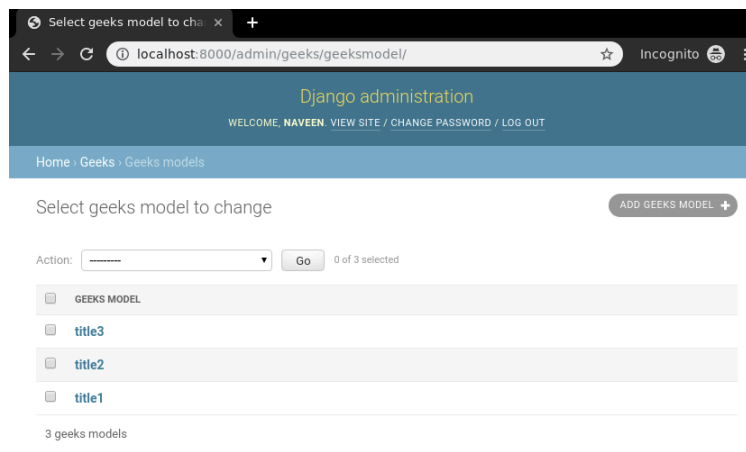
Now let's create some instances of this model using shell, run from bash,

```
Python manage.py shell
```

Enter following commands

```
>>> from geeks.models import GeeksModel
>>> GeeksModel.objects.create(
        title="title1",
        description="description1").save()
>>> GeeksModel.objects.create(
        title="title2",
        description="description2").save()
>>> GeeksModel.objects.create(
        title="title2",
        description="description2").save()
```

Now we have everything ready for back end. Verify that instances have been created from <http://localhost:8000/admin/geeks/geeksmodel/>



Now let's create our delete view first, In `geeks/views.py`

Python3

```
from django.shortcuts import (get_object_or_404,
                               render,
                               HttpResponseRedirect)

from .models import GeeksModel

# delete view for details
def delete_view(request, id):
    # dictionary for initial data with
    # field names as keys
    context = {}

    # fetch the object related to passed id
    obj = get_object_or_404(GeeksModel, id = id)

    if request.method == "POST":
        # delete object
        obj.delete()
        # after deleting redirect to
        # home page
        return HttpResponseRedirect("/")

    return render(request, "delete_view.html", context)
```

Now a url mapping to this view with a regular expression of id,
In `geeks/urls.py`

Python3

```
from django.urls import path

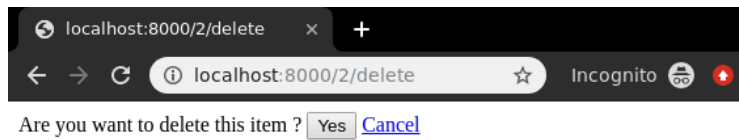
# importing views from views..py
from .views import delete_view
urlpatterns = [
    path('<id>/delete', delete_view ),
]
```

Template for delete view includes a simple form confirming whether user wants to delete the instance or not. In `geeks/templates/delete_view.html`,

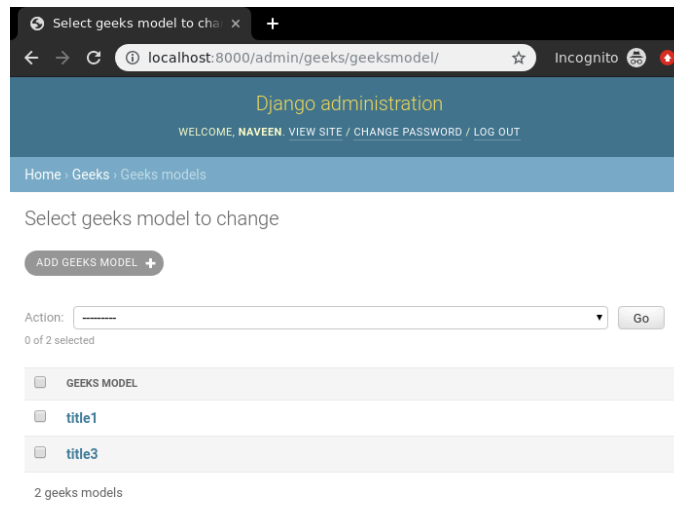
HTML

```
<div class="main">
  <!-- Create a Form -->
  <form method="POST">
    <!-- Security token by Django -->
    {% csrf_token %}
    Are you want to delete this item ?
    <input type="submit" value="Yes" />
    <a href="/">Cancel </a>
  </form>
</div>
```

Everything ready, now let's check if it is working or not, visit
<http://localhost:8000/2/delete>



Let's check if instance has been deleted or not,



One can implement this view in any manner as per requirement using **obj.delete()** function.

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