Create CSV with Django

- Django uses Python's built-in CSV library to create Dynamic CSV (Comma Separated Values) file. We can use this library in our project's view file.
- Let's see an example; here we have a Django project to which we are implementing this feature. A view function getfile() is created.

Django CSV Example

In this example, we are creating CSV using static data.

Views.py

```python
from django.http import HttpResponse

import csv

def getfile(request):

    response = HttpResponse(content_type='text/csv')

    response['Content-Disposition'] = 'attachment; filename="file.csv"'

    writer = csv.writer(response)

    writer.writerow(['10', 'sam', 'chennai', 'Developer'])

    writer.writerow(['11', 'arun', 'delhi', 'Tester'])

    return response
```

urls.py

```python
from django.contrib import admin

from django.urls import path

from admissions import views
```

```
urlpatterns = [

    path('admin/', admin.site.urls),

    path('getfile/',views.getfile),

]
```

To run the server application

```
python manage.py runserver
```

- Go to browser window and type this url http://127.0.0.1:8000
- It will shows the view action and choose the view particular action

    http://127.0.0.1:8000/getfile

Apart from static data, we can get CSV from the database too. See, the following example in which we are getting data from the table by using the student model.

Dynamic CSV using Database

// views.py

```
from admissions.models import student

from django.http import HttpResponse

import csv

def getfile(request):

    response = HttpResponse(content_type='text/csv')

    response['Content-Disposition'] = 'attachment; filename="file.csv"'

    students = student.objects.all()
```

```
writer = csv.writer(response)

for s in students:

    writer.writerow([s.id,s.name,s.fathername,s.classname,s.contact])

return response
```

To run the server application

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    http://127.0.0.1:8000/getfile