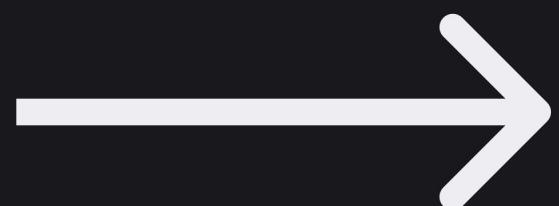


Let's create

Custom Commands

In Django Applications



runserver

check --deploy

Django let's give you the feature to
create your own custom django-
admin commands. Follow the steps to
create custom django commands

shell

dbshell

migrate

makemigrations



First, you need to create management/commands directory to the application

Folder Structure

```
myapp/
    __init__.py
    models.py
    management/
        __init__.py
        commands/
            __init__.py
            debug_status.py ←
    tests.py
    views.py
```

inside management/commands directory will create commands file, the name of this file is going to be the command name

Now, my command would like this :

```
python manage.py debug_status
```

This command will basically, show the debug status of our application.

but, wait this command is not ready yet, we need to write the logic for our command to run it.

Now, open debug_status.py :

Step 1 : import BaseCommand



debug_status.py

```
from django.core.management.base import BaseCommand
```

Step 2 : create a Command class, and inherit the BaseCommand, make sure the class name is always a Command, not any other name



debug_status.py

```
from django.core.management.base import BaseCommand

class Command(BaseCommand):
    ...
```



debug_status.py

```
class Command(BaseCommand):  
    help = "Show the debug status of the application"
```



Next we can override the help attribute and add the help text of this command.



debug_status.py

```
from django.conf import setting

class Command(BaseCommand):
    help = "Show the debug status of the application"

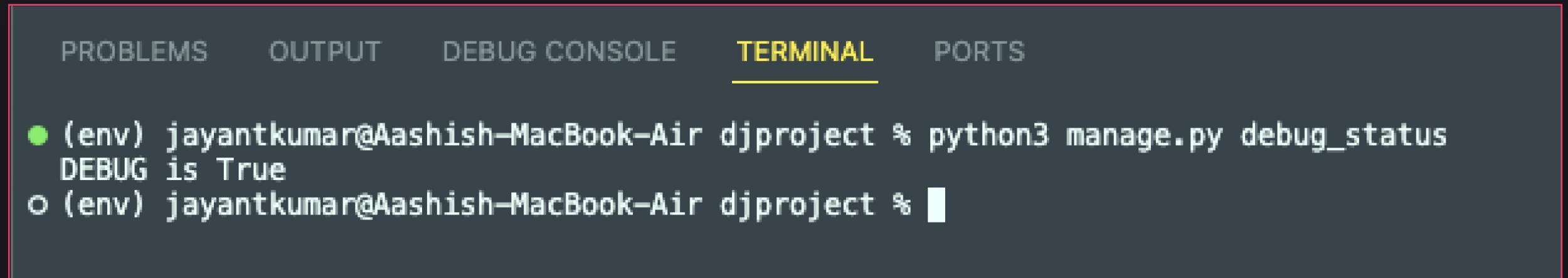
    def handle(self, *args, **options):
        self.stdout.write(f"DEBUG is {settings.DEBUG}")
```



Next we can override the handle method, and write the main logic of our command

Run the command in terminal

```
python manage.py debug_status
```



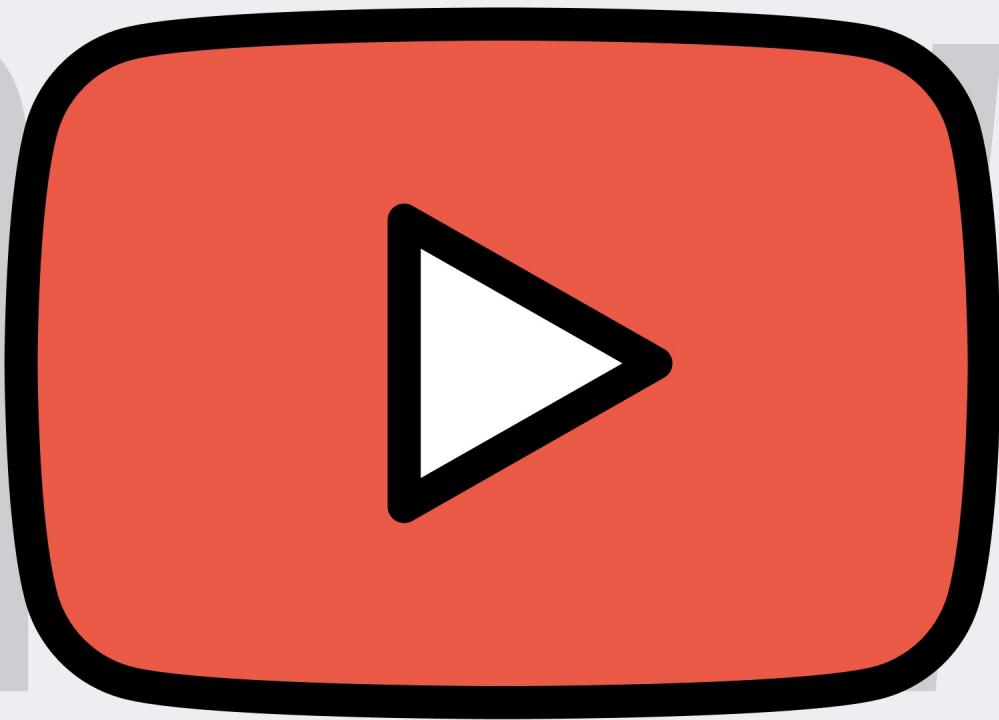
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

- (env) jayantkumar@Aashish-MacBook-Air djproject % python3 manage.py debug_status
DEBUG is True
- (env) jayantkumar@Aashish-MacBook-Air djproject % █

It will return the debug status of our application. You can even add arguments to command and also give the styling to the output.

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