

Django, #4 models



- Django comes with a command to create the database structure for us, based on migrations:

```
gabriel@MacBook-Pro-de-MacBook:~/repos/biopark/django-course2/projeto5$ python3 manage.py migrate
```

```
Operations to perform:
```

```
  Apply all migrations: admin, auth, contenttypes, projeto5_website, sessions
```

```
Running migrations:
```

```
Applying contenttypes.0001_initial... OK
```

```
Applying auth.0001_initial... OK
```

```
Applying admin.0001_initial... OK
```

```
Applying admin.0002_logentry_remove_auto_add... OK
```

```
Applying admin.0003_logentry_add_action_flag_choices... OK
```

```
Applying contenttypes.0002_remove_content_type_name... OK
```

```
Applying auth.0002_alter_permission_name_max_length... OK
```

```
Applying auth.0003_alter_user_email_max_length... OK
```

```
Applying auth.0004_alter_user_username_opts... OK
```

```
Applying auth.0005_alter_user_last_login_null... OK
```

```
Applying auth.0006_require_contenttypes_0002... OK
```

```
Applying auth.0007_alter_validators_add_error_messages... OK
```

```
Applying auth.0008_alter_user_username_max_length... OK
```

```
Applying auth.0009_alter_user_last_name_max_length... OK
```

```
Applying auth.0010_alter_group_name_max_length... OK
```

```
Applying auth.0011_update_proxy_permissions... OK
```

```
Applying auth.0012_alter_user_first_name_max_length... OK
```

```
Applying projeto5_website.0001_initial... OK
```

```
Applying sessions.0001_initial... OK
```

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- Now that we've got a database created for our models let's try using the interactive Python console to play with them:

```
Python 3.9.1 (default, Jan 8 2021, 17:17:17)  
Type 'copyright', 'credits' or 'license' for more information  
IPython 8.1.1 -- An enhanced Interactive Python. Type '?' for help.
```

```
In [1]: from projeto5_website.models import *
```

```
In [2]: p = Pergunta(enunciado="Essa é a primeira pergunta que cadastramos no  
sistema")
```

```
In [3]: p.save()
```

- That's all the Python code it takes to create a new row in our database. We can also query our database with python.

```
In [4]: Pergunta.objects.all()
```

```
Out[4]: <QuerySet [<Pergunta: Pergunta object (1)>]>
```

```
In [5]:
```