

Django ORM Basic Query Cheat Sheet

1. Get all rows:

```
Institutes.objects.all()
```

2. Get only the names (single column):

```
Institutes.objects.values_list('name', flat=True)
```

3. Filter rows by field value:

```
Institutes.objects.filter(no_of_courses=5)
```

4. Get one exact object (must exist or it errors):

```
Institutes.objects.get(institute_id=101)
```

5. Order the results:

```
Institutes.objects.all().order_by('name') # ascending
```

```
Institutes.objects.all().order_by('-no_of_courses') # descending
```

6. Count rows:

```
Institutes.objects.count()
```

7. Check if something exists:

```
Institutes.objects.filter(name='IIT Delhi').exists()
```

8. Delete objects (be careful!):

```
Institutes.objects.filter(name='Old Institute').delete()
```

9. Get first or last object:

```
Institutes.objects.first()
```

```
Institutes.objects.last()
```

Tip: The basic pattern is:

ModelName.objects.filter(...).something()