

```
1***** First start database*****
python manage.py migrate = for first time install database
1
```

```
2***** models.py *****
from django.db import models
```

```
class QuoteCategory(models.Model):
    title = models.CharField(max_length=50)
    *****6** def __str__(self):
    return self.title
```

```
class Quote(models.Model):
    quote = models.TextField()
    author = models.CharField(max_length=200)

    quote_category = models.ForeignKey(
        'QuoteCategory',
        on_delete=models.CASCADE
    )
    *****7*** def __str__(self):
        if len(self.quote) > 50:
            return self.quote[:50] + "..."
        return self.quote
2*****
```

```
3cmd> python manage.py makemigrations
python manage.py migrate
python manage.py createsuperuser
```

```
4***** admin.py *****
from . models import QuoteCategory
from . models import Quote
```

```
admin.site.register(QuoteCategory)
admin.site.register(Quote)
```

```
5***** views.py*****
from django.db.models import query
from django.shortcuts import render
from django.views.generic import #ListView
```

```
from . models import QuoteCategory
from . models import Quote
```

```
class HomeView(ListView):
    template_name = "home.html"
    model = Quote

    def get_queryset(self):
        query_set=super().get_queryset()
        return query_set.select_related
        ('quote_category')
```

```
8cmd> python manage.py makemigrations
python manage.py migrate
```

*****home.html

```
{% extends 'base.html' %}
```

```
{% block body %}
```

```
<div class="container">
```

```
    {% for quote in object_list %}
```

```
    <div class="card">
```

```
        <div class="card-header">
```

```
            {{ quote_category.title }}
```

```
        </div>
```

```
        <div class="card-body">
```

```
            <blockquote class="blockquote mb-0">
```

```
                <p>{{ quote.quote }}</p>
```

```
                <footer class="blockquote-footer">{{ quote.author }}</footer>
```

```
            </blockquote>
```

```
        </div>
```

```
    </div>
```

```
    <br>
```

```
    {% endfor %}
```

```
</div>
```

```
{% endblock %}
```