

# Django Shell and Django Database Query

**Spoken Tutorial Project**

**<https://spoken-tutorial.org>**

**FOSSEE project**

**<https://fossee.in>**

**National Mission on Education through ICT**

**<http://sakshat.ac.in>**

**Script: Thiagarajar College of Engineering  
& FOSSEE project**

**Video: Praveen S, IIT Bombay**

**April 16, 2019**



# Learning Objectives

**In this tutorial, we will learn to**



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## In this tutorial, we will learn to

- ## ► Use the Django shell



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In this tutorial, we will learn to

- ▶ **Use the Django shell**
- ▶ **Create a Django Query**



# System Requirements



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- ## ► Ubuntu Linux 16.04 OS





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- ▶ **Ubuntu Linux 16.04 OS**
- ▶ **Python 3.5**
- ▶ **Python 3.4-venv or higher**





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- ▶ **gedit Text Editor**



# Pre-requisites

**To follow this tutorial, you need to know**



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## To follow this tutorial, you need to know

- ## ► How to create models in Django



# Pre-requisites

To follow this tutorial, you need to know

- ▶ **How to create models in Django**
- ▶ **If not, then please go through the pre-requisite tutorials in this series**  
<https://spoken-tutorial.org>



# What is a Django Shell?

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- ▶ **The Django shell is a Python shell configured for our Django Project**
- ▶ **We can execute our project code in this shell**
- ▶ **We can manipulate our app models in this shell**



# Interactive console

- **The Interactive console provides a perfect complement to the Python environment**





# Interactive console

- ▶ **The Interactive console provides a perfect complement to the Python environment**
- ▶ **It allows interactive editing, running and debugging of our Python project**



# Summary

**In this tutorial, we have learnt to**

- ▶ **Use the Django shell**
- ▶ **Create a Django Query**



# Assignment

- ▶ **Create and access an Article object within Blog model using Django Query in Shell**



# About Spoken Tutorial project

- ▶ Watch the video available at [https://spoken-tutorial.org/What\\_is\\_a\\_Spoken\\_Tutorial](https://spoken-tutorial.org/What_is_a_Spoken_Tutorial)
- ▶ It summarises the Spoken Tutorial project
- ▶ If you do not have good bandwidth, you can download and watch it



# Spoken Tutorial Workshops

## The Spoken Tutorial Project Team

- ▶ Conducts workshops and gives certificates
- ▶ For more details, please write to [contact@spoken-tutorial.org](mailto:contact@spoken-tutorial.org)



# Forum for specific questions:

- ▶ Do you have questions in **THIS Spoken Tutorial?**
- ▶ Please visit <https://forums.spoken-tutorial.org>
- ▶ Choose the minute and second where you have the question
- ▶ Explain your question briefly
- ▶ Someone from our team will answer them



# Forum to answer questions

- ▶ Questions not related to the Spoken Tutorial?
- ▶ Do you have general/technical questions on the Software?
- ▶ Please visit the FOSSEE Forum  
<https://forums.fossee.in/>
- ▶ Choose the Software and post your question.



# Acknowledgement

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- ▶ **National Mission on Education through ICT, MHRD, Government of India**
- ▶ **More information on this Mission is available at**

**<https://spoken-tutorial.org/NMEICT-Intro>**





# Thank you

**This script has been contributed by:**

- ▶ **Thiagarajar College of Engineering**
- ▶ **FOSSEE Project, IIT Bombay**  
<https://fossee.in/>

**The video has been recorded by Spoken  
Tutorial Project, IIT Bombay**

