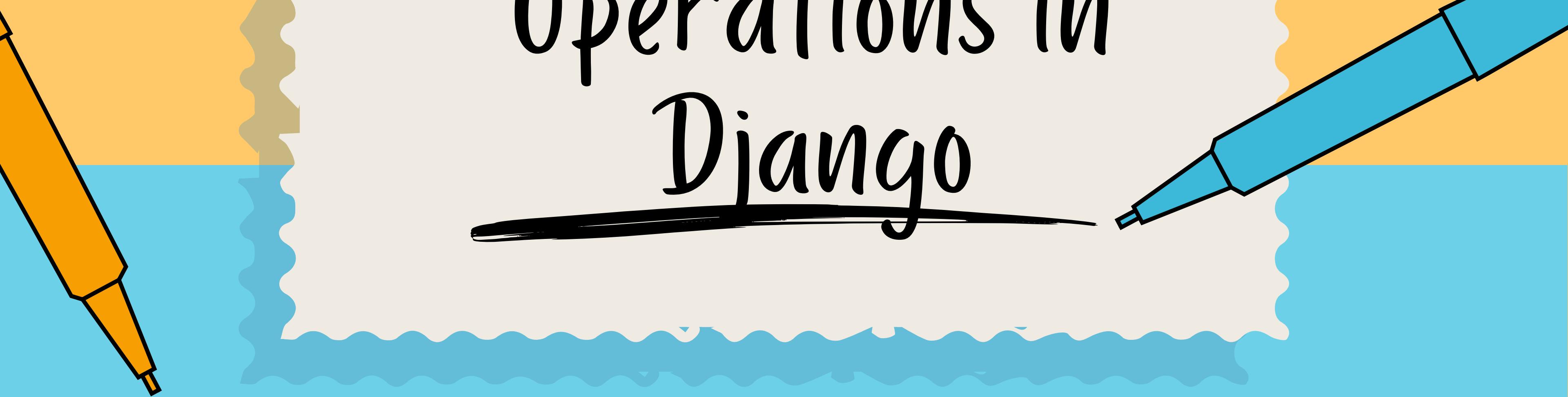


# Chapter 7

## CRUD

# Operations in

# Django



# Using the Car Model

This guide demonstrates  
CRUD (Create, Read,  
Update, Delete) operations  
in Django using the Car  
model.

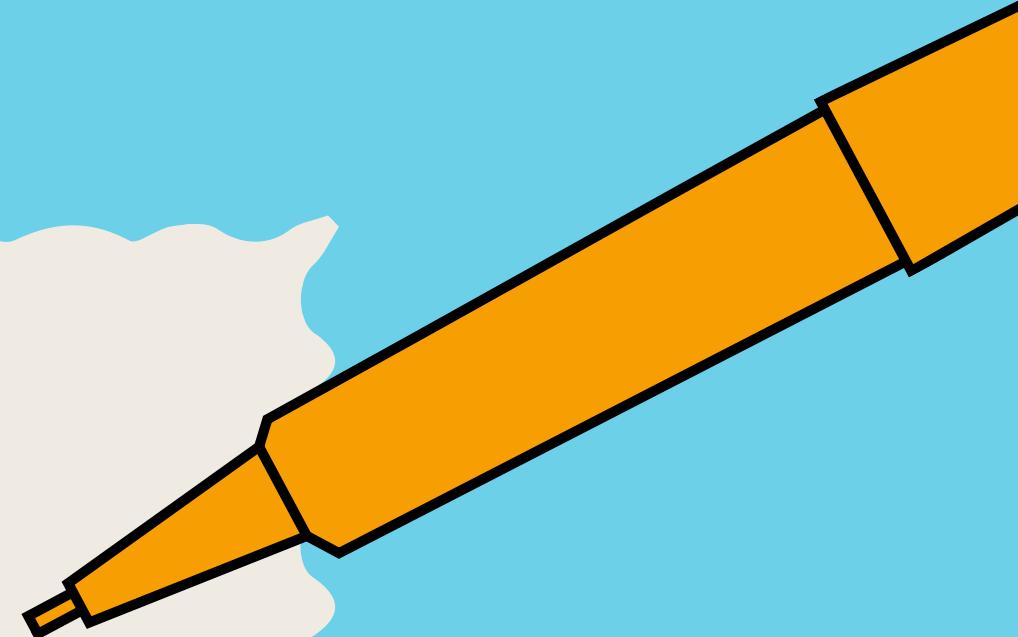
# Define the Model

create model  
models.py

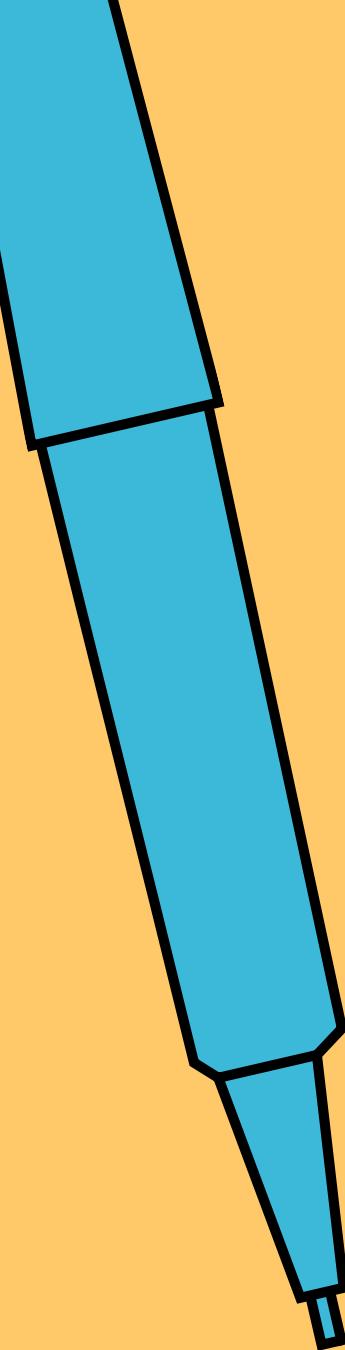
```
from django.db import models
```

```
class Car(models.Model):  
    car_name = models.CharField(max_length=500)  
    speed = models.IntegerField(default=50)
```

# Create and Apply Migrations



```
$ python manage.py makemigrations  
$ python manage.py migrate
```



# Open the Django Shell

---

```
$ python manage.py shell
```

# Perform CRUD Operations Using save():

```
car = Car(car_name="Nexon", speed=110)  
car.save()
```



# objects.create()

---

```
car = Car.objects.create(car_name="MT-I5", speed=210)
```

# Read Records

```
cars = Car.objects.all()  
for car in cars:  
    print(f"Car Name: {car.car_name}, Speed: {car.speed}")
```

# Fetch a Specific Record (by ID)

```
car = Car.objects.get(id=1)  
print(car.car_name, car.speed)
```

# Update Records

```
car = Car.objects.get(id=1)  
car.car_name = "Updated Car Name"  
car.speed = 150  
car.save()
```

# Delete Records

```
car = Car.objects.get(id=1)  
car.delete()
```

Thank You