















## **Implementation**

```
# models.py
from django.db import models
class Author(models.Model):
    name = models.CharField(max_length=100)
class Book(models.Model):
    title = models.CharField(max length=100)
    author = models.ForeignKey(Author, on_delete=models.CASCADE, related_name='books')
class Tag(models.Model):
    name = models.CharField(max_length=50)
class Post(models.Model):
    title = models.CharField(max length=100)
    content = models.TextField()
    tags = models.ManyToManyField(Tag, related_name='posts')
```

9



# **Steps to Implement Custom Model Methods:**

# 1. Identify the Logic:

 Determine the logic or functionality that needs to be encapsulated within the model method.

### 2. Define the Method:

 Add a method to the model class, specifying any required parameters and the logic to be executed.

### 3. Use the Method:

Call the custom method on model instances to execute the encapsulated logic.

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# Janja Programmers Example

```
# models.py
from django.db import models

class Product(models.Model):
    name = models.CharField(max_length=100)
    price = models.DecimalField(max_digits=10, decimal_places=2)
    quantity = models.PositiveIntegerField()

def total_price(self):
    return self.price * self.quantity
```

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