

Master 1 RSD - Technologie des Applications Web

Interrogation Ecrite N° 2 (08/01/2025)

Corrigé Type

Partie 1 : Complétez `models.py` (0.50 pt par attribut)

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

```
class Customer(models.Model):
    first_name = models.CharField(max_length=100)
    last_name = models.CharField(max_length=100)
    email = models.EmailField(unique=True)
    phone = models.CharField(max_length=15)
```

```
class Destination(models.Model):
    city = models.CharField(max_length=100)
    country = models.CharField(max_length=100)
    description = models.TextField()
```

```
class Booking(models.Model):
    customer = models.ForeignKey(Customer, on_delete=models.CASCADE)
    destination = models.ForeignKey(Destination, on_delete=models.CASCADE)
    departure = models.DateField()
    returning = models.DateField()
    number = models.PositiveIntegerField()
```

Partie 2: Interagir avec les modèles via le shell Django (*environ 0.35 pt par ligne de réponse*)

1. Comment créer la base de données ?

```
(.env) PS D:\travel> py .\manage.py makemigrations
```

```
(.env) PS D:\travel> py .\manage.py migrate
```

2. Comment lancer le shell interactif ?

```
(.env) PS D:\travel> py .\manage.py shell
```

3. Comment importer les modèles dans le shell ?

```
>>> from travel.models import Customer, Destination, Booking
```

4. Comment créer la Destination "Alger" ?

```
>>> Destination.objects.create(city='Alger', country='Algérie', description=' Découverte de la Casbah. ')
```

5. Comment créer le Customer "Lamis Foughali" ?

```
>>> Customer.objects.create(first_name='Lamis', last_name='Foughali', email='ali.ahmed@mail.com', phone='0771234567')
```

6. Comment créer la réservation de "Lamis Foughali" vers "Tokyo" ?

```
>>> customer = Customer.objects.get(id=1)
```

```
>>> destination = Destination.objects.get(id=4)
```

```
>>> Booking.objects.create(customer=customer, destination=destination, departure='2024-03-10', returning='2024-03-15',  
number=2)
```

7. Récupérer toutes les réservations de "Lamis Foughali" :

```
>>> lamis = Customer.objects.get(first_name='Lamis', last_name='Foughali')
```

```
>>> lamis_reservations = Booking.objects.filter(customer_id= lamis.id)
```

```
>>> print(lamis_reservations)
```