Django update data

Django shell¶

- Run the command `python manage.py shell` open the django shell.

Django Model - Contact¶

- We will be using model `Contact` from [Django Models](#).
my_app/models.py

```python
from django.db import models

class Contact(models.Model):
    first_name = models.CharField(max_length=30)
    last_name = models.CharField(max_length=30)
    email = models.EmailField(max_length=255)
    phone = models.CharField(max_length=10, null=True)

    class Meta:
        db_table = "contact"
```

Add few records to database¶

```python
from my_app.models import Contact

contacts = [
    {"first_name": "Johan", "last_name": "K", "email": "johan@example.com"},
    {"first_name": "Johanan", "last_name": "M", "email":
"johanan@example.com"},
    {"first_name": "Joharr", "last_name": "K", "email":
"joharr@example.com"},
    {"first_name": "Mani", "last_name": "M", "email": "mani@example.com"},
]
objects = [Contact(**d) for d in contacts]
results = Contact.objects.bulk_create(objects)
```

update single record - save()¶

- Retrieve the record and make some changes to the fields and call `save()` method to udpated the record.
- Let's look at an example.

```
from my_app.models import Contact

obj = Contact.objects.get(email='johan@example.com')
obj.first_name = "Jerry"
obj.save()
```

update multiple records - bulk_update()¶

- Retrive individual records and update at once.
- use `bulk_update()` method to update it.

```
from my_app.models import Contact

obj1 = Contact.objects.get(email='johan@example.com')
obj1.first_name = "Jerry"

obj2 = Contact.objects.get(email='mani@example.com')
obj2.first_name = "Bingo"

updated_count = Contact.objects.bulk_update([obj1, obj2], ['first_name'])
print(updated_count)
# output: 2
```

update multiple records - update()¶

- Update multiple records without retrieving using `update()`

```
from my_app.models import Contact

update_count =
Contact.objects.filter(email='mani@example.com').update(last_name="MD")
print(updated_count)
# output: 2
```

References¶

- https://docs.djangoproject.com/en/dev/ref/models/querysets/