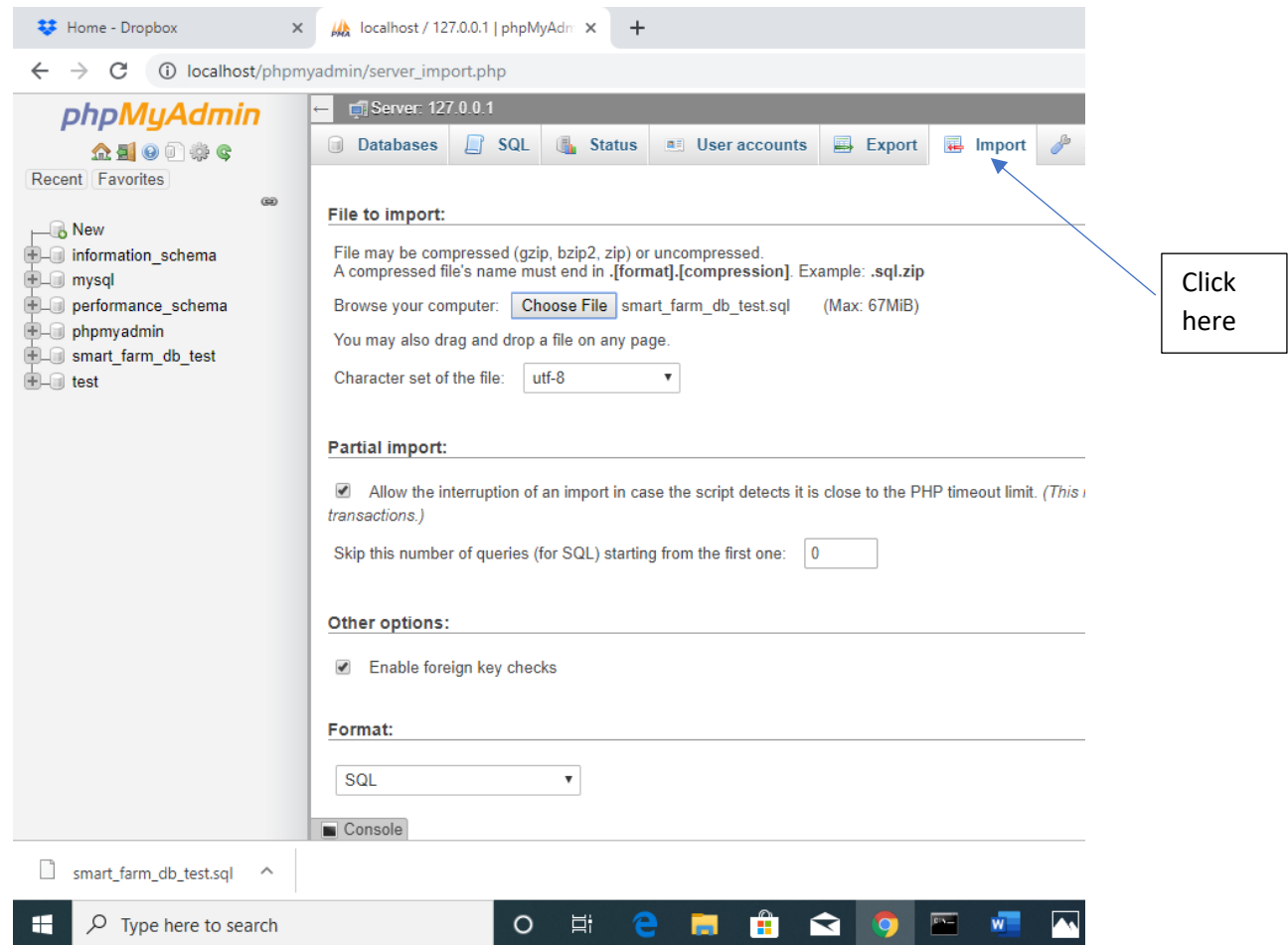First import the sql file into the database using localhost/phpMyAdmin and press go.

This will import database, all the tables and dump data into the tables.

1. Run this command inside the smartfarm folder
   env\Script\activate
2. Pip install django

3. Pip install djangorestframework

```
(env) C:\Users\Toshiba Portege\Documents\smartfarm\tutorial>pip install djangorestframework
Collecting djangorestframework
  Downloading https://files.pythonhosted.org/packages/33/8e/87a4e0025e3c4736c1dc728905b1b06a94968ce08de15304417acb40e374/djangorestframework-3.10.3-py3-none-any.whl (90
9kB)
    |████████████████████████████████| 911kB 930kB/s
Installing collected packages: djangorestframework
Successfully installed djangorestframework-3.10.3
WARNING: You are using pip version 19.2.3, however version 19.3.1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

(env) C:\Users\Toshiba Portege\Documents\smartfarm\tutorial>_
```

4. pip install pymysql

```
(env) C:\Users\Toshiba Portege\Documents\smartfarm\tutorial>pip install pymysql
Collecting pymysql
  Downloading https://files.pythonhosted.org/packages/ed/39/15045ae46f2a123019aa968dfcba0396c161c20f855f11dea6796bcaae95/PyMySQL-0.9.3-py2.py3-none-any.whl (47kB)
    |████████████████████████████████| 51kB 328kB/s
Installing collected packages: pymysql
Successfully installed pymysql-0.9.3
WARNING: You are using pip version 19.2.3, however version 19.3.1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

(env) C:\Users\Toshiba Portege\Documents\smartfarm\tutorial>
```

5.

6. pip install celery

```
(env) C:\Users\Toshiba Portege\Documents\smartfarm\tutorial>pip install celery
Collecting celery
  Downloading https://files.pythonhosted.org/packages/5c/a1/a3dd9d8bfa09156ec2cba37f90accf35c0f4ecc3980d96cb4fb99e56504b/celery-4.3.0-py2.py3-none-any.whl (413kB)
    |████████████████████████████████| 419kB 930kB/s
Requirement already satisfied: pytz>dev in c:\users\toshiba portege\appdata\local\programs\python\python38-32\lib\site-packages (from celery) (2019.3)
Collecting vine>=1.3.0 (from celery)
  Downloading https://files.pythonhosted.org/packages/7f/60/82c03047396126c8331ceb64da1dc52d4f1317209f32e8fe286d0c07365a/vine-1.3.0-py2.py3-none-any.whl
Collecting billiard<4.0,>=3.6.0 (from celery)
  Downloading https://files.pythonhosted.org/packages/9a/bb/2a016ac912fca48e06ff5a662407f3d1681aa47df97fb19feba7cc931ee1/billiard-3.6.1.0-py2.py3-none-any.whl (89kB)
    |████████████████████████████████| 92kB 1.5MB/s
Collecting kombu<5.0,>=4.4.0 (from celery)
  Downloading https://files.pythonhosted.org/packages/42/16/f82ef8692fbd30ea7711e92e1775bb237888f4cef3a0d24dcf33a1968834/kombu-4.6.5-py2.py3-none-any.whl (182kB)
    |████████████████████████████████| 184kB 1.6MB/s
Collecting amqp==2.5.1 (from kombu<5.0,>=4.4.0->celery)
  Downloading https://files.pythonhosted.org/packages/a1/ef/a62ff9dde89e6b75976a746aa5b828ccb3c839ac6fcdc283edd88d7cf90b/amqp-2.5.1-py2.py3-none-any.whl (49kB)
    |████████████████████████████████| 51kB 3.2MB/s
Collecting importlib-metadata>=0.18 (from kombu<5.0,>=4.4.0->celery)
  Downloading https://files.pythonhosted.org/packages/f6/d2/40b3fa882147719744e6aa50ac39cf7a22a913cbcba86a0371176c425a3b/importlib_metadata-0.23-py2.py3-none-any.whl
Collecting zipp>=0.5 (from importlib-metadata>=0.18->kombu<5.0,>=4.4.0->celery)
  Downloading https://files.pythonhosted.org/packages/74/3d/1ee25a26411ba0401b43c6376d2316a71addcc72ef8690b101b4ea56d76a/zipp-0.6.0-py2.py3-none-any.whl
Collecting more-itertools (from zipp>=0.5->importlib-metadata>=0.18->kombu<5.0,>=4.4.0->celery)
  Downloading https://files.pythonhosted.org/packages/45/dc/3241eef99eb45f1def35cf93af35d1cf9ef4c0991792583b8f33ea41b092/more_itertools-7.2.0-py2.py3-none-any.whl (57kB)
    |████████████████████████████████| 61kB 1.3MB/s
Installing collected packages: vine, billiard, amqp, more-itertools, zipp, importlib-metadata, kombu, celery
Successfully installed amqp-2.5.1 billiard-3.6.1.0 celery-4.3.0 importlib-metadata-0.23 kombu-4.6.5 more-itertools-7.2.0 vine-1.3.0 zipp-0.6.0
WARNING: You are using pip version 19.2.3, however version 19.3.1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

(env) C:\Users\Toshiba Portege\Documents\smartfarm\tutorial>_
```

7. pip install Django-cors-headers

```
(env) C:\Users\Toshiba Portege\Documents\smartfarm\tutorial>pip install django-cors-headers
Collecting django-cors-headers
  Downloading https://files.pythonhosted.org/packages/47/0c/13b4435fbbcdc39e3aec21774dd41a37ee2d38750dbdab455a14bd4ccc23/django_cors_headers-3.1.1-py3-none-any.whl
Requirement already satisfied: Django>=1.11 in c:\users\toshiba portege\appdata\local\programs\python\python38-32\lib\site-packages (from django-cors-headers) (2.2.6)
Requirement already satisfied: sqlparse in c:\users\toshiba portege\appdata\local\programs\python\python38-32\lib\site-packages (from Django>=1.11->django-cors-headers)
 (0.3.0)
Requirement already satisfied: pytz in c:\users\toshiba portege\appdata\local\programs\python\python38-32\lib\site-packages (from Django>=1.11->django-cors-headers) (20
19.3)
Installing collected packages: django-cors-headers
Successfully installed django-cors-headers-3.1.1
WARNING: You are using pip version 19.2.3, however version 19.3.1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

(env) C:\Users\Toshiba Portege\Documents\smartfarm\tutorial>
```

8.

- Cd tutorial
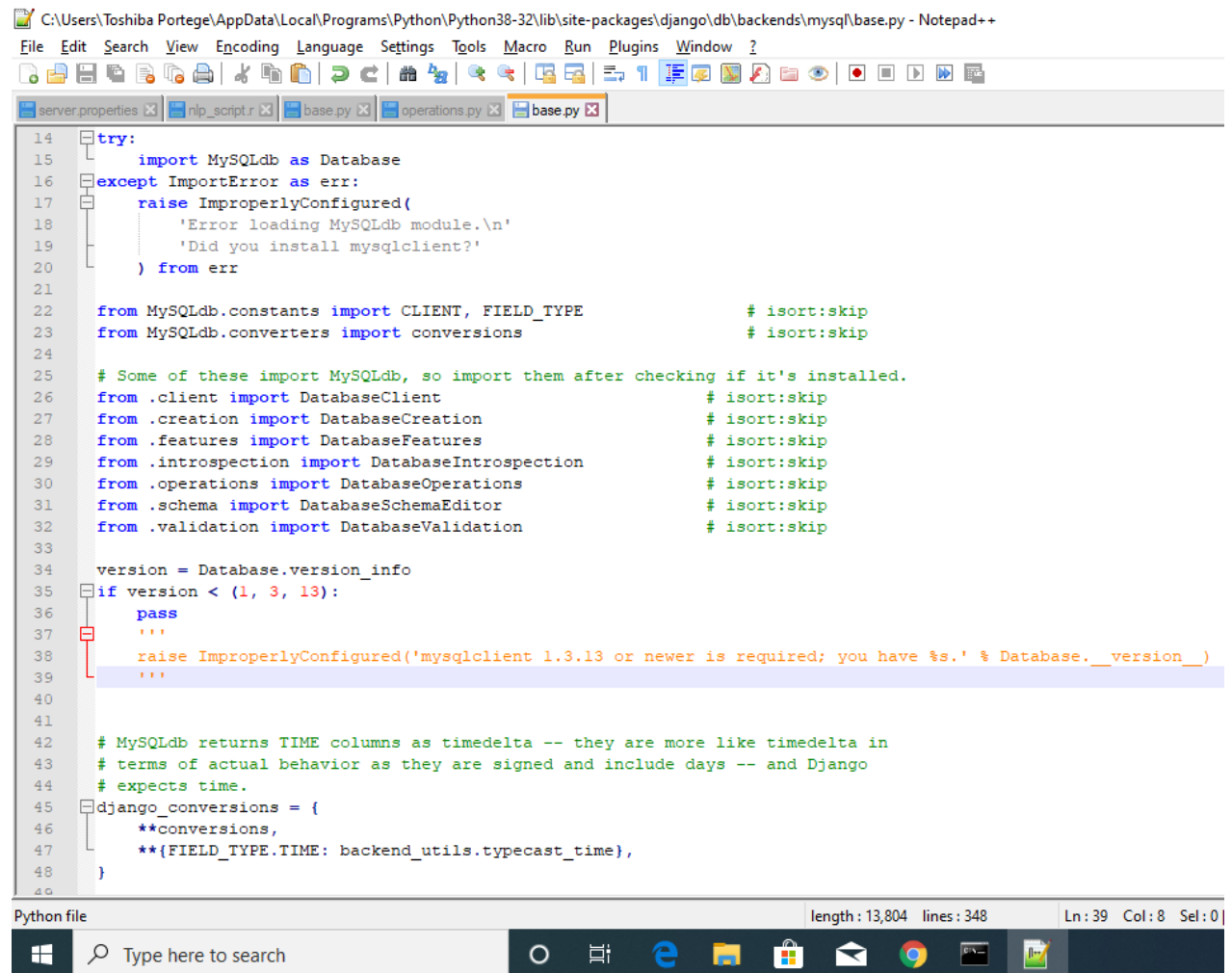- py manage.py runserver 8080

if following error occurs

"mysqlclient 1.3.13 or newer is required "

Then follow these steps:

Open the base.py as highlited in the path above and put pass inside If version<(1,3,13) and save it

As shown below

Open operations.py in the same location as base.py and find the query.decode line as shown below

C:\Users\Toshiba Portege\AppData\Local\Programs\Python\Python38-32\lib\site-packages\django\db\backends\mysql\operations.py -

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

server.properties nlp_script.r base.py operations.py base.py operations.py

```
129     def format_for_duration_arithmetic(self, sql):
130         return 'INTERVAL %s MICROSECOND' % sql
131
132     def force_no_ordering(self):
133         """
134         "ORDER BY NULL" prevents MySQL from implicitly ordering by grouped
135         columns. If no ordering would otherwise be applied, we don't want any
136         implicit sorting going on.
137         """
138         return [(None, ("NULL", [], False))]
139
140     def last_executed_query(self, cursor, sql, params):
141         # With MySQLdb, cursor objects have an (undocumented) "_executed"
142         # attribute where the exact query sent to the database is saved.
143         # See MySQLdb/cursors.py in the source distribution.
144         query = getattr(cursor, '_executed', None)
145         if query is not None:
146             query = query.decode(errors='replace')
147         return query
148
149     def no_limit_value(self):
150         # 2**64 - 1, as recommended by the MySQL documentation
151         return 18446744073709551615
152
153     def quote_name(self, name):
154         if name.startswith("`") and name.endswith("`"):
155             return name  # Quoting once is enough.
156         return "`%s`" % name
157
158     def random_function_sql(self):
159         return 'RAND()'
160
161     def sql_flush(self, style, tables, sequences, allow_cascade=False):
162         # NB: The generated SQL below is specific to MySQL
163         # 'TRUNCATE x;', 'TRUNCATE y;', 'TRUNCATE z;'... style SQL statements
164         # to clear all tables of all data
```

Python file   length : 12,911   lines

Type here to search

Change decode to encode and save it as shown below.

9. Pip install apscheduler

10. py manage.py runserver 8080

```
C:\Users\Toshiba Portege\Documents\smartfarm>env\Scripts\activate

(env) C:\Users\Toshiba Portege\Documents\smartfarm>cd tutorial

(env) C:\Users\Toshiba Portege\Documents\smartfarm\tutorial>py manage.py runserver 8080
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
October 21, 2019 - 20:17:48
Django version 2.2.6, using settings 'tutorial.settings'
Starting development server at http://127.0.0.1:8080/
```
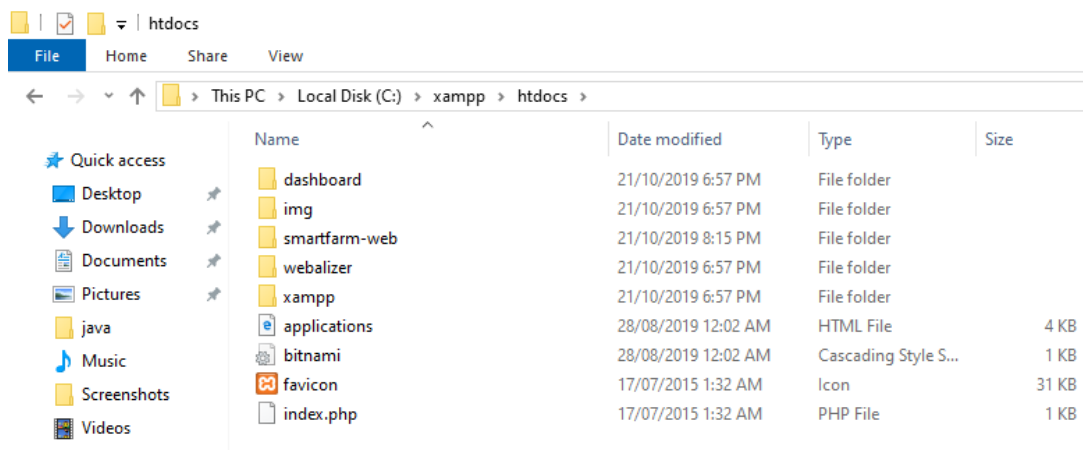
11. save smartfarm-web inside xampp/htdocs in xampp or inside www/html folder in wampp

12. open http://localhost/smartfarm-web/ in your browser