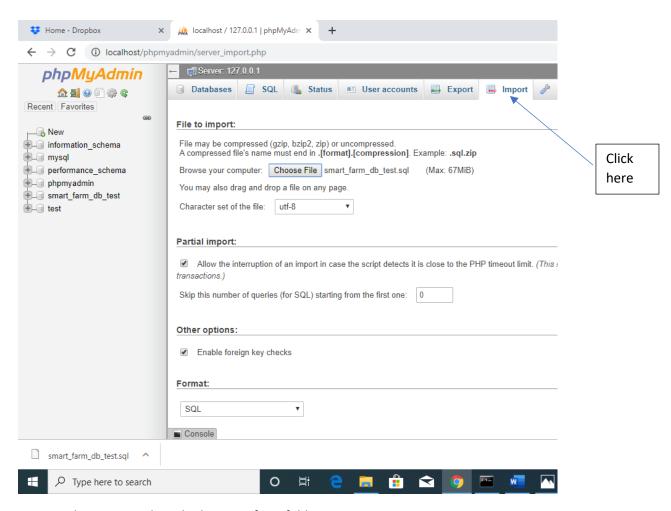
First import the sql file into the database using localhost/phpMyAdmin and press go.

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



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

3. Pip install djangorestframework

C:\Windows\system32\cmd.exe env) C:\Users\Toshiba Portege\Documents\smartfarm\tutorial>pip install djangorestframework ollecting djangorestframework
Downloading https://files.pythonhosted.org/packages/33/8e/87a4e0025e3c4736c1dc728905b1b06a94968ce08de15304417acb40e374/djangorestframework-3.10.3-py3-none-any.whl (90 | 911kB 930kB/s 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 C:\Windows\system32\cmd.exe ollecting pymysql
Downloading https://files.pythonhosted.org/packages/ed/39/15045ae46f2a123019aa968dfcba0396c161c20f855f11dea6796bcaae95/PyMySQL-0.9.3-py2.py3-none-any.whl (47kB)
| 51kB 328kB/s 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. 5. 6. pip install celery ₽ C:\Windows\system32\cmd.exe ollecting celery

Downloading https://files.pythonhosted.org/packages/5c/a1/a3dd9d8bfa09156ec2cba37f90accf35c0f4ecc3980d96cb4fb99e56504b/celery-4.3.0-py2.py3-none-any.whl (413kB) 419kB 930kB/s
lev in c:\users\toshiba portege\appdata\local\programs\python\python38-32\lib\site-packages (from celery) (2019.3) Journment arready Satisfied. By Error of the Company of the Compan sted.org/packages/42/16/f82ef8692fbd30ea7711e92e1775bb237888f4cef3a0d24dcf33a1968834/kombu-4.6.5-py2.py3-none-any.whl (182kB) | 184kB 1.6MB/s | .0,>=4.4.0->celery) d.org/packages/a1/ef/a62ff9dde89e6b75976a746aa5b828ccb3c839ac6fcdc283edd88d7cf90b/amqp-2.5.1-py2.py3-none-any.whl (49kB) 51kB 3.2MB/s Downloading https://files.pythonhosted.org/packages/f6/d2/40b3fa882147719744e6aa50ac39cf7a22a913cbcba86a0371176c425a3b/importlib_metadata-0.23-py2.py3-none-any.whl plecting 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 plecting more-itertools (from zipp>=0.5->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 plecting 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-py3-none-any.whl (57kB) oilliard, amqp, more-itertools, zipp, importlib-metadata, kombu, celery liard-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 ARNING: 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 ollecting 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 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' com

Select C:\Windows\system32\cmd.exe - py manage.py runserver 9090

- Cd tutorial
- py manage.py runserver 8080

if following error occurs

"mysqlclient 1.3.13 or newer is required "

```
autoreload.raise_last_exception()
file "C:\Users\Toshiab Portege\AppData\Local\Programs\Python\Python38-32\lib\site-packages\djamgo\core\management\_init__.py", line 77, in raise_last_exception
raise_exception(1)
file "C:\Users\Toshiab Portege\AppData\Local\Programs\Python\Python38-32\lib\site-packages\djamgo\core\management\_init__.py", line 337, in execute
autoreload.check_errors(djamgo.setup)()
file "C:\Users\Toshiab Portege\AppData\Local\Programs\Python\Python38-32\lib\site-packages\djamgo\utils\autoreload.py", line 54, in wrapper
file "C:\Users\Toshiab Portege\AppData\Local\Programs\Python\Python38-32\lib\site-packages\djamgo\utils\autoreload.py", line 24, in setup
apps.populate(settimgs.\Initiatib)
apps.comig:ajmont_models()
file "C:\Users\Toshiab Portege\AppData\Local\Programs\Python\Python38-32\lib\site-packages\djamgo\apps\rograms\Python\Python38-32\lib\site-packages\djamgo\apps\rograms\Python\Python38-32\lib\site-packages\djamgo\apps\rograms\Python\Python38-32\lib\site-packages\djamgo\apps\rograms\Python\Python38-32\lib\site-packages\djamgo\apps\rograms\Python\Python38-32\lib\site-packages\djamgo\apps\rograms\Python\Python38-32\lib\site-packages\djamgo\apps\rograms\Python\Python38-32\lib\site-packages\djamgo\apps\rograms\Python\Python38-32\lib\site-packages\djamgo\apps\rograms\Python\Python38-32\lib\site-packages\djamgo\apps\rograms\Python\Python38-32\lib\site-packages\djamgo\apps\rograms\Python\Python38-32\lib\site-packages\djamgo\apps\rograms\Python\Python38-32\lib\site-packages\djamgo\apps\rograms\Python\Python38-32\lib\site-packages\djamgo\apps\rograms\Python\Python38-32\lib\site-packages\djamgo\apps\rograms\Python\Python38-32\lib\site-packages\djamgo\apps\rograms\Python\Python38-32\lib\site-packages\djamgo\apps\rograms\Python\Python38-32\lib\site-packages\djamgo\apps\rograms\Python\Python38-32\lib\site-packages\djamgo\apps\rograms\Python\Python38-32\lib\site-packages\djamgo\apps\rograms\Python\Python38-32\lib\site-packages\djamgo\apps\rograms\Python\Python38-32\lib\site-packages\djamgo\apps\rogra
```

File "C:\Users\Toshiba Portege\AppData\Local\Programs\Python\Python38-32\lib\site-packages\django\core\management\commands\runserver.py", line 109, in inner_run autoreload.raise_last_exception()

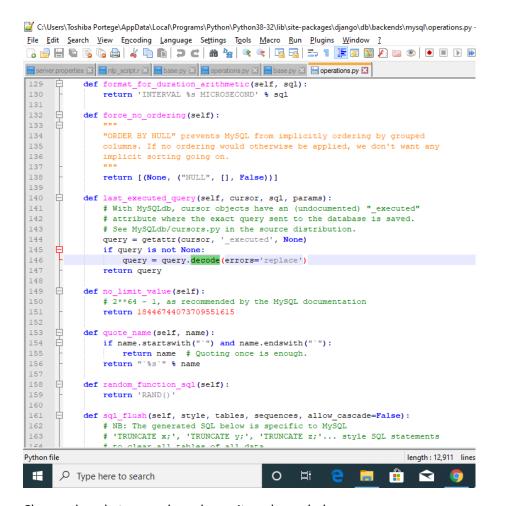
Then follow these steps:

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

```
🔐 C:\Users\Toshiba Portege\AppData\Local\Programs\Python\Python38-32\lib\site-packages\django\db\backends\mysql\base.py - Notepad++
  \underline{\text{File}} \quad \underline{\text{E}} \text{dit} \quad \underline{\text{S}} \text{earch} \quad \underline{\text{V}} \text{iew} \quad \underline{\text{E}} \underline{\text{n}} \text{coding} \quad \underline{\text{L}} \text{anguage} \quad \text{S} \underline{\text{e}} \underline{\text{tings}} \quad \underline{\text{T}} \underline{\text{o}} \text{ols} \quad \underline{\text{M}} \text{acro} \quad \underline{\text{Run}} \quad \underline{\text{P}} \text{lugins} \quad \underline{\text{W}} \text{indow} \quad \underline{\text{?}} \quad \underline{\text{P}} \text{lugins} \quad \underline{\text{W}} \text{indow} \quad \underline{\text{?}} \quad \underline{\text{N}} \text{old} \quad \underline{\text{N}} \text{old} \quad \underline{\text{P}} \text{lugins} \quad \underline{\text{P}} \text{lugins} \quad \underline{\text{W}} \text{indow} \quad \underline{\text{?}} \quad \underline{\text{P}} \text{lugins} \quad \underline{\text{N}} \text{old} \quad \underline{\text{P}} \text{lugins} \quad \underline{\text{N}} \text{old} \quad \underline{\text{N}} \text{old} \quad \underline{\text{P}} \text{lugins} \quad \underline{\text{N}} \text{old} \quad \underline{\text{N}} \text{old} \quad \underline{\text{P}} \text{lugins} \quad \underline{\text{N}} \text{old} \quad \underline{\text{N}} \text{old} \quad \underline{\text{P}} \text{old} \quad \underline{\text{N}} \text{old} \quad \underline{\text{P}} \text{old} \quad \underline{\text{N}} \text{old} \quad \underline{
    🕠 🔒 🗎 🖺 🧣 🥱 🧥 🖟 🖟 🐚 🖍 🐚 🌓 🗩 cc | An 🗽 | 🔍 🧠 | 🖫 📮 🚍 🖺 🛙 👺 💹 🖉 📨 💇 | 🗷 🗉 🗩 | 🗷
      server.properties 🗵 🔚 nlp_script.r 🗵 🛗 base.py 🗵 🛗 operations.py 🗵 🛗 base.py 🗵
                       try:
                                              import MySQLdb as Database
                         Dexcept ImportError as err:
                                               raise ImproperlyConfigured(
        18
                                                        'Error loading MySQLdb module.\n'
                                                             'Did you install mysqlclient?'
        19
        20
                                               ) from err
        21
                             from MySQLdb.constants import CLIENT, FIELD_TYPE
                                                                                                                                                                                                                                                                                            # isort:skip
        23
                             from MySQLdb.converters import conversions
                                                                                                                                                                                                                                                                                            # isort:skip
                             # Some of these import MySQLdb, so import them after checking if it's installed.
        25
        26
                             from .client import DatabaseClient
                             from .creation import DatabaseCreation
        28
                             from .features import DatabaseFeatures
                                                                                                                                                                                                                                                                            # isort:skip
        29
                             from .introspection import DatabaseIntrospection
                             from .operations import DatabaseOperations
                             from .schema import DatabaseSchemaEditor
        31
                             from .validation import DatabaseValidation
                                                                                                                                                                                                                                                                            # isort:skip
        33
                                version = Database.version_info
                       \Box if version < (1, 3, 13):
                                               pass
                                                 raise ImproperlyConfigured('mysqlclient 1.3.13 or newer is required; you have %s.' % Database.__version_
                             # MySQLdb returns TIME columns as timedelta -- they are more like timedelta in
                             # terms of actual behavior as they are signed and include days -- and Django
                                # expects time.
                      django_conversions = {
                                                 **conversions,
                                               **{FIELD_TYPE.TIME: backend_utils.typecast_time},
        48
                            }
 Python file
                                                                                                                                                                                                                                                                                                                     length: 13,804 lines: 348
      Type here to search
                                                                                                                                                                                                       0
```

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



Change decode to encode and save it as shown below.

```
🔐 C:\Users\Toshiba Portege\AppData\Local\Programs\Python\Python38-32\lib\site-packages\django\db\backends\mysql\operat
<u>File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?</u>
🕠 🔒 🗎 🖺 🧸 😘 📤 | 🕹 🐚 🖍 | 🗢 e | 🖴 🐪 | 🤏 e 💌 | 🛂 🚍 | 🚍 1 📜 🐺 💹 💋 🖆 👁 | 💽 🗉
           es 🛮 📙 nlp_script.r 🗵 🗒 base.py 🗵 🗒 operations.py 🗵 🗎 base.py 🗵 🗒 operations.py 🗵
                format for duration arithmetic(self, sql):
                return 'INTERVAL %s MICROSECOND' % sql
131
            def force_no_ordering(self):
133
                "ORDER BY NULL" prevents MySQL from implicitly ordering by grouped
134
                columns. If no ordering would otherwise be applied, we don't want any
135
136
                implicit sorting going on.
137
                return [(None, ("NULL", [], False))]
138
139
140
            def last executed_query(self, cursor, sql, params):
                # With MySQLdb, cursor objects have an (undocumented) " executed"
141
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)
                if query is not None:
145
                    query = query.encode(errors='replace')
146
147
                return query
148
            def no limit value(self):
149
                # 2**64 - 1, as recommended by the MySQL documentation
150
                return 18446744073709551615
            def quote name(self, name):
                if name.startswith("`") and name.endswith("`"):
154
                    return name # Quoting once is enough.
156
                return "'%s'" % name
158
            def random function sql(self):
                return 'RAND()'
159
160
161
            def sql flush(self, style, tables, sequences, allow cascade=False):
                # NB: The generated SQL below is specific to MySQL
162
                # 'TRUNCATE x;', 'TRUNCATE y;', 'TRUNCATE z;'... style SQL statements
163
                 # to clear all tables of all data
                                                                                  length: 12,91
Python file
                                                                                    Type here to search
```

9. Pip install apscheduler

```
C:\Users\Toshiba Portege\Documents\smartfarm\tutorial>pip install apscheduler

Collecting apscheduler

Downloading https://files.pythonhosted.org/packages/09/ff/d5b0e81846cd5e92d02e5f2682b78c73a5d9d61bc1eae32cea5ac15c0d47/APScheduler-3.6.1-py2.py3-none-any.whl (58kB)

Requirement already satisfied: pytz in c:\users\toshiba portege\appdata\local\programs\python\python38-32\lib\site-packages (from apscheduler)

Requirement already satisfied: setuptools>=0.7 in c:\users\toshiba portege\appdata\local\programs\python\python38-32\lib\site-packages (from apscheduler) (2019.3)

Requirement already satisfied: setuptools>=0.7 in c:\users\toshiba portege\appdata\local\programs\python\python38-32\lib\site-packages (from apscheduler) (41.2.0)

Collecting tzlocal>=1.2 (from apscheduler)

Downloading https://files.pythonhosted.org/packages/f3/fb/00a976f728d0d1fecfe898238ce23f502a721c0ac0ecfedb80e0d88c64e9/six-1.12.0-py2.py3-none-any.whl

Collecting six>=1.4.0 (from apscheduler)

Downloading https://files.pythonhosted.org/packages/73/fb/00a976f728d0d1fecfe898238ce23f502a721c0ac0ecfedb80e0d88c64e9/six-1.12.0-py2.py3-none-any.whl

Installing collected packages: tzlocal, six, apscheduler

Successfully installed apscheduler-3.6.1 six-1.12.0 tzlocal-2.0.0

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>
```

10. py manage.py runserver 8080

```
C:\Windows\system32\cmd.exe-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...

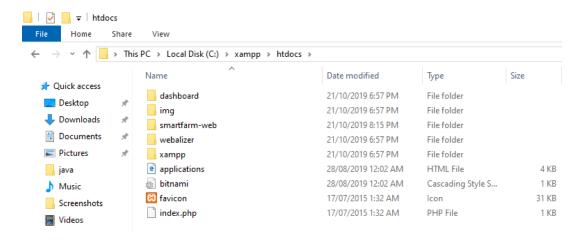
System check identified no issues (0 silenced).

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

