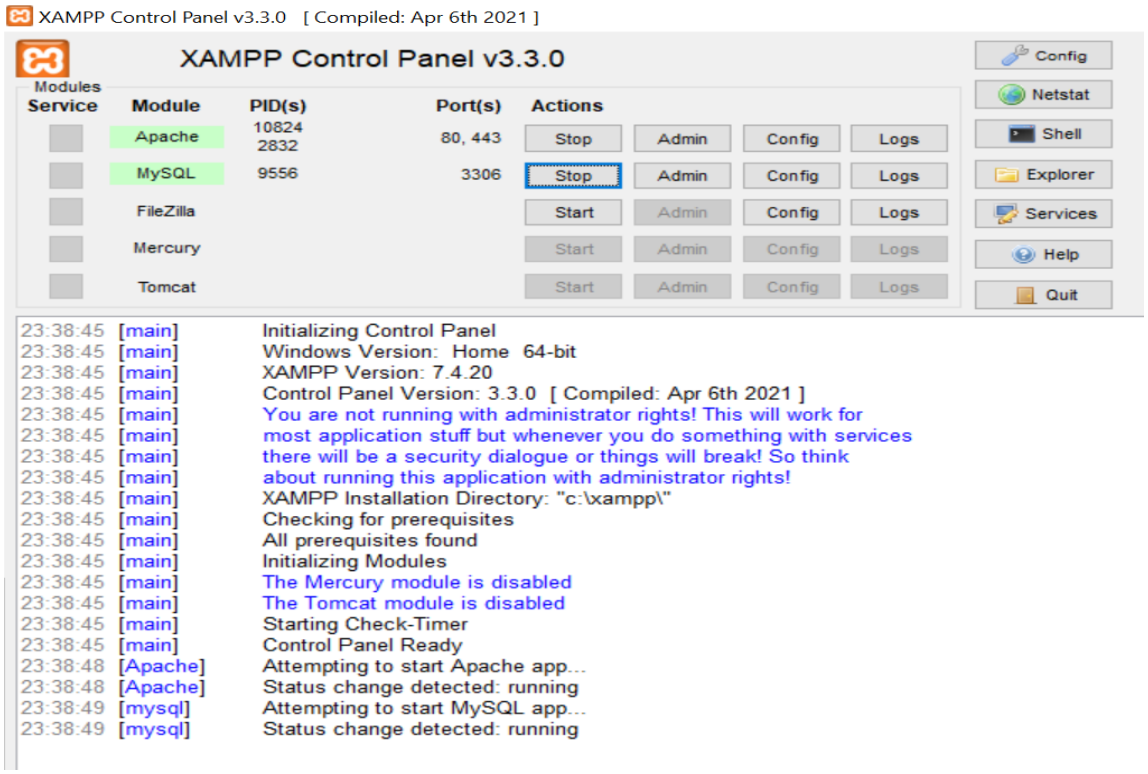
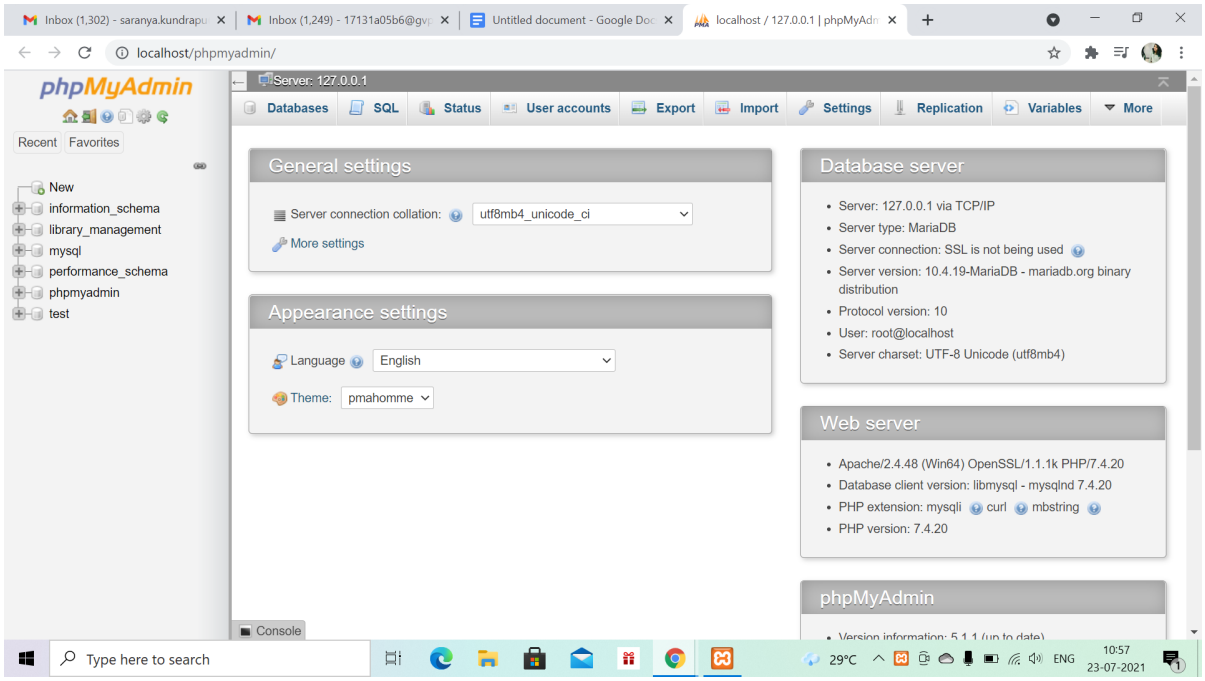
EXECUTION PROCESS

STEP 1 : Steps to install XAMPP on Windows:

- In the web browser, visit Apache Friends and download the XAMPP installer.
- During the installation process, select the required components like MySQL, FileZilla ftp server, PHP, phpMyAdmin or leave the default options and click the Next button.
- Uncheck the Learn more about bitnami option and click Next button.
- Choose the root directory path to set up the *htdocs* folder for our applications. For example *'C:\xampp'*.
- Click the Allow access button to allow the XAMPP modules from the Windows firewall.
- After the installation process, click the Finish button of the XAMPP Setup wizard.
- Now the XAMPP icon is clearly visible on the right side of the start menu. Show or Hide can be set by using the control panel by clicking on the icon.
- To start Apache and MySql, just click on the Start button on the control panel.



Click on mysql admin button , now the database server is opened in the localhost using the web browser



In the left side panel of the database server you will find an option called new click on it to create a new database.

Give the database name as “library management ” , and set the collation to utf8_general_ci and click on create.

Now the database is created successfully

STEP 2 :

To upgrade PIP on Windows, enter the following in the command prompt:

```
python -m pip install --upgrade pip
```

STEP 3 :

Creating a virtual environment in command prompt

```
python -m venv environment_name
```

STEP 4 :

Open the command prompt and change the directory in which the file exists

Work on the virtual environment created for smooth execution.

Activate the virtual environment through the command

```
...\> .\elibrary\Scripts\activate
```

STEP 5 :

In the command prompt, ensure your virtual environment is active, and execute the following commands

Installing django

```
...\> python -m pip install Django
```

Installing mysqlclient

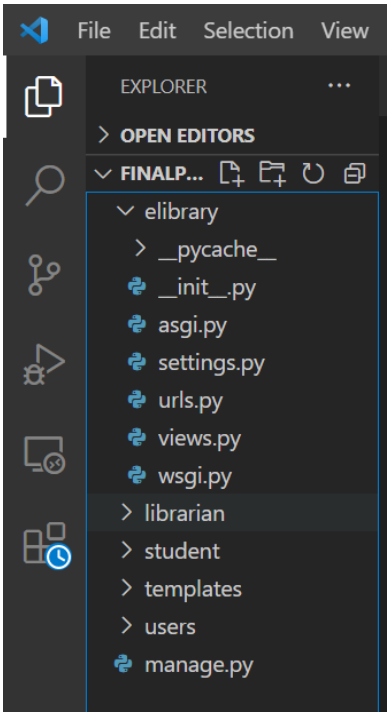
```
...\> python -m pip install mysqlclient
```

Installing requests

```
...\> python -m pip install requests
```

STEP 6 :

Now move to file location where the project code exists and start the execution commands



STEP 7 :

To making migrations into the database run the following commands

```
...\> python manage.py makemigrations


...\> python manage.py migrate
```

The response of above commands results are similar to the following picture

```
C:\Users\Intellipaat-Team\website>python manage.py makemigrations
Migrations for 'tutorial':
  tutorial\migrations\0001_initial.py
    - Create model Page

C:\Users\Intellipaat-Team\website>python manage.py migrate
Operations to perform:
  Apply all migrations: admin, auth, contenttypes, sessions, tutorial
Running migrations:
  No migrations to apply.
  Your models have changes that are not yet reflected in a migration, and so
  Run 'manage.py makemigrations' to make new migrations, and then re-run 'mar
```

These commands will successfully push the tables structures into the database

Now open the necessary tables using the phpmyadmin interface in the local host and insert a couple of tuples of data for each of them.

STEP 8 :

To create a superuser run the following command

```
...\> python manage.py createsuperuser
```

```
PS C:\Users\R AND S\Desktop\Travel> cd travel
PS C:\Users\R AND S\Desktop\Travel\travel> python manage.py createsuperuser
Username (leave blank to use 'rands'): srishti
Email address: example@gmail.com
Password:
Password (again):
Superuser created successfully.
PS C:\Users\R AND S\Desktop\Travel\travel>
```

STEP 9:

Start the server through the following command

```
...\> python manage.py runserver
```

```
Command Prompt - python  manage.py runserver
Microsoft Windows [Version 10.0.19043.1110]
(c) Microsoft Corporation. All rights reserved.

C:\Users\naren>d:

D:\>cd Dev

D:\Dev>.\elibrary\Scripts\activate

(elibrary) D:\Dev>cd elibmanagement

(elibrary) D:\Dev\elibmanagement>cd finalproject

(elibrary) D:\Dev\elibmanagement\finalproject>python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
July 23, 2021 - 00:31:15
Django version 3.2.4, using settings 'elibrary.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
```

STEP 10 :

Once you open up the browser and enter the following URL, the index page will be displayed.

URL - http://127.0.0.1:8000/