BCIIT

BCA Sem IV

Lab Manual 1 - Web Development through Django(BCA-218)

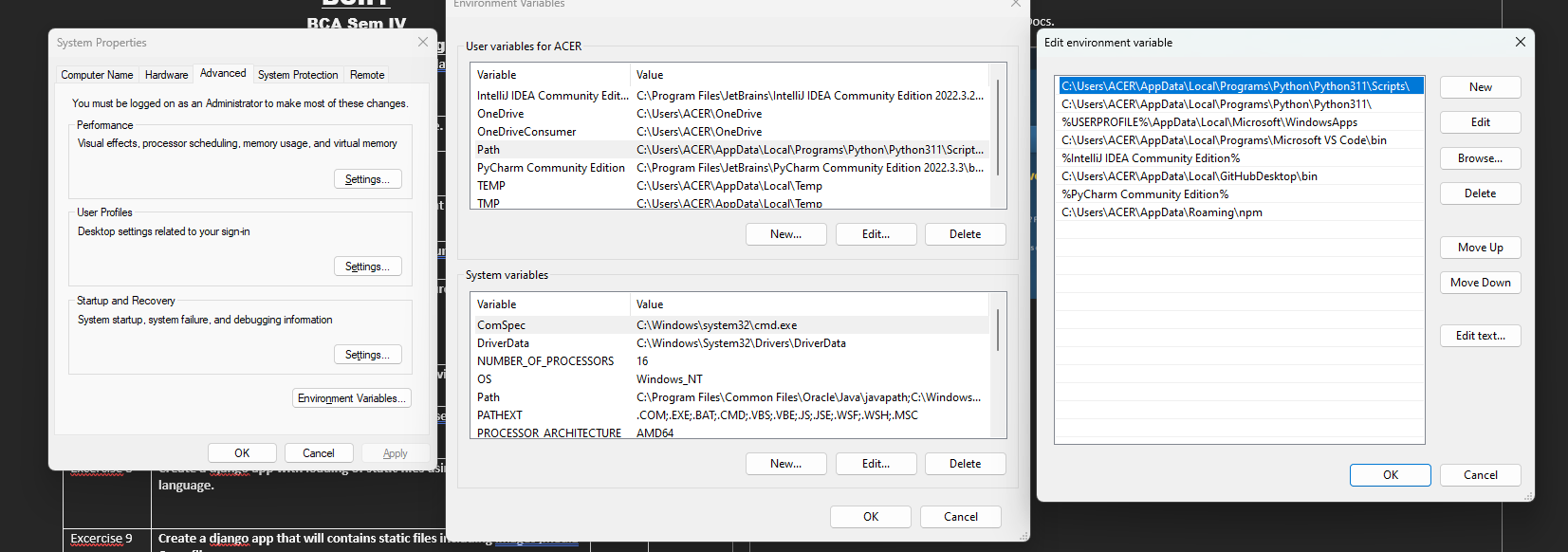
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| Excercise 1 | **Install python including installation of pip ,installation and setting up virtual environment & Installation of Django.** | status |
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| Excercise 2 | **Create a new django project using command line.** |  |
| Excercise 3 | **Create an application with ‘Hello world’.** |  |
| Excercise 4 | **Create a django app that will define url pattern at application level instead of project level.** |  |
| Excercise 5 | **Create a django application with multiple view functions .** |  |
| Excercise 6 | **Create a django application using template features Rendering a template**  **Multiple Context Contex variable**  **Template loading include template tag.** |  |
| Excercise 6 | **Create a django app with dynamic content from view function.** |  |
| Excercise 7 | **Create a django app with dynamic greet text on server .** |  |
| Excercise 8 | **Create a django app with loading of static files using jinja2 template language.** |  |
| Excercise 9 | **Create a django app that will contains static files including images ,media & css files.** |  |
| Excercise 10 | **Create a django app with advanced template features .** |  |
| Excercise 11 | **App to connect templates with models to server data dynamically .** |  |
| Excercise 12 | **Rendering a model in Django Admin Interface** |  |
| Excercise 13 | **Write a django web app to use parameters from views.py** |  |
| Excercise 14 | **Write a django web app using control statements .** |  |

Excercise 1: **Install python including installation of pip ,installation and setting up virtual environment & Installation of Django.**

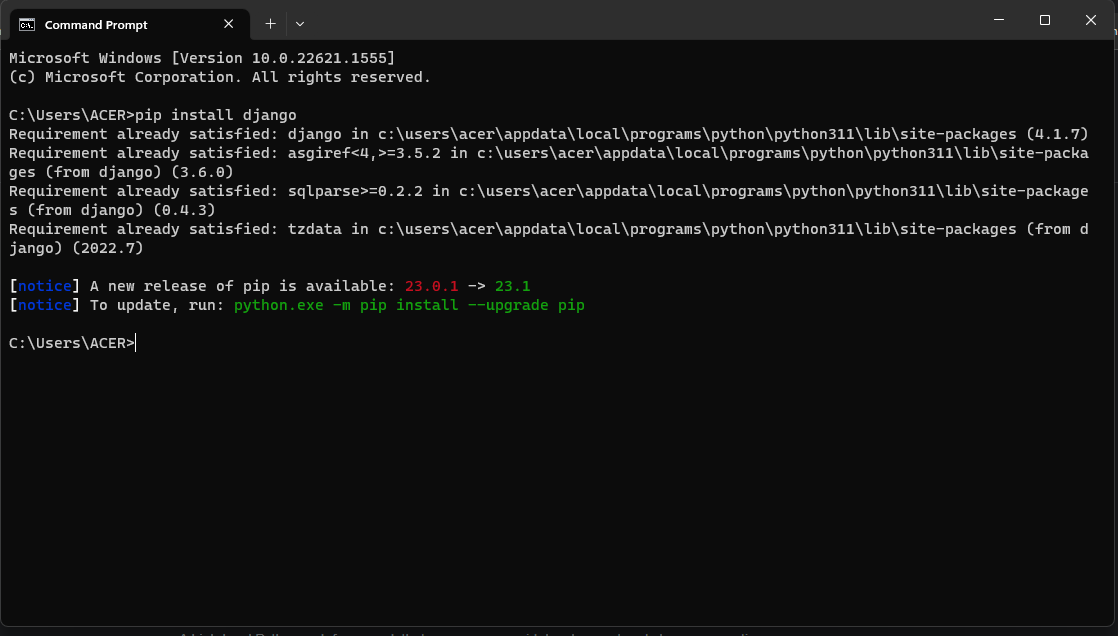
Step 1: Install Python from official Docs.



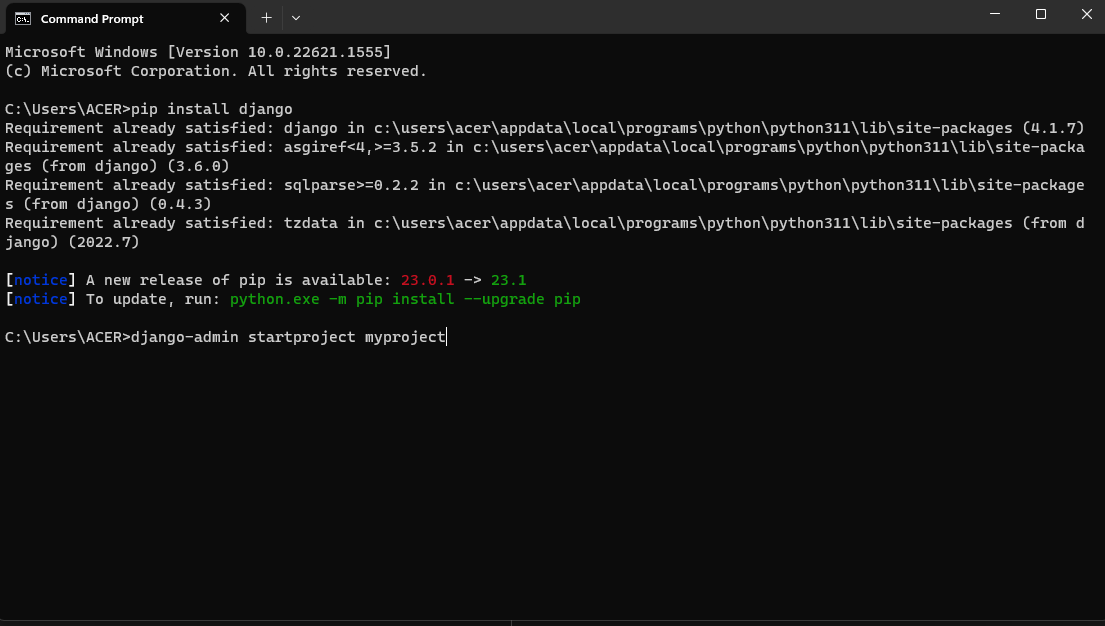
Step2:



Step3:

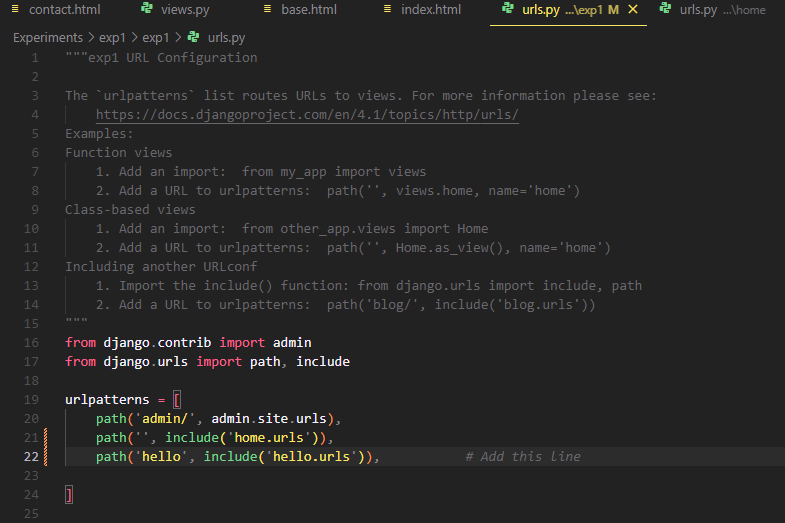


Excercise 2. **Create a new django project using command line.**



Excercise 3, 4. **Create an application with ‘Hello world’ and Create a django app that will define url pattern at application level instead of project level.**

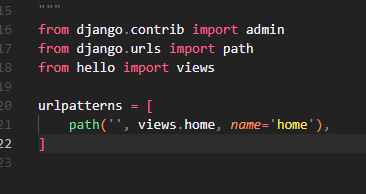
Step1: **urls.py:**

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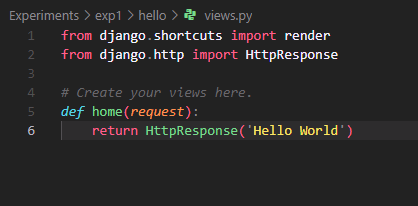
Step2: create a app in your Django project using below command line

“py manage.py startapp hello”

Step3: create a urls.py in your hello app



Step4: Define home function in views.py



Excersice 5, 6A, 6B, : **Create a django application with multiple view functions .**

Step1: create a Django home app in your Django project using below command

“py manage.py startapp home”