Experiment-9(a)

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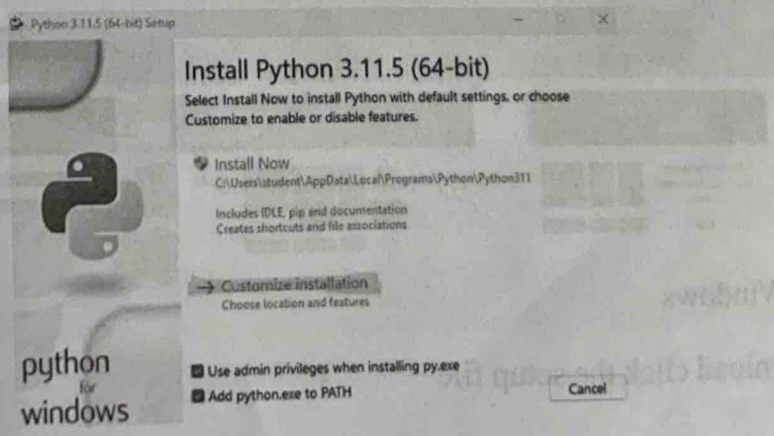
Setup a Virtual Environment for Flask

Flask, a Python web application framework, was created by Armin Ronacher. Known for its lightweight and efficient nature, Flask is designed for quick starts and accommodates complex applications. It is based on the Werkzeug WSGI toolkit and Jinja2 template engine.

PYTHON INSTALLATION

- Go to google search and type python download
- Click on https://www.python.org/downloads/

3. ☑ Use admin privileges when installing py.exe
   ☐ Add python.exe to PATH
4. Check add python.exe and click on customize installation



HTML Form Controls

There are different types of form controls that you can use to collect data using HTMLform

1. TextInput Controls
2. CheckboxesControls
3. RadioBox Controls
4. SelectBox Controls
5. FileSelect boxes
6. HiddenControls
7. Clickable Buttons
8. SubmitandReset Button

Installation Processor

Set up a development environment

→ Install Python
→ Install Visual studio code
→ Create the Project directory
→ Create a Python virtual environment
→ Install flask and other libraries
→ open visual studio → Go to Extensions
→ In Extensions → install extensions like Python, Python Indent and code runner.

Setup a Virtual Environment for flask

1. Create a folder on D drive (lab11)
2. Go to Visual studio & open folder (lab11)
3. Go to Command Prompt & type

- C:\Users\student>d:
- D:\CSE-B-BI-Flask>cd Lab11
- D:\CSE-B-BI-Flask\Lab11>pip install virtualenv
- D:\CSE-B-BI-Flask\Lab11>python -m venv myvenv
- D:\CSE-B-BI-Flask\Lab11\myvenv\Scripts\activate
- (myvenv) D:\CSE-B-BI-Flask\Lab11>pip install flask
- (myvenv) D:\CSE-B-BI-Flask\Lab11>pip list
- (myvenv) D:\CSE-B-BI-Flask\Lab11>pip freeze > requirement.txt
- (myvenv) D:\CSE-B-BI-Flask\Lab11>flask run