

Team ID	PNT2022TMID02964
Project Name	Personal Expense Tracker

```
jeya-pt6325@jeya-pt6325:~$ sudo apt-get install python-is-python3
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libfwupdplugin1 libxmlb1
Use 'sudo apt autoremove' to remove them.
The following packages will be REMOVED:
  python-is-python2
The following NEW packages will be installed:
  python-is-python3
0 upgraded, 1 newly installed, 1 to remove and 20 not upgraded.
Need to get 2,364 B of archives.
After this operation, 0 B of additional disk space will be used.
Do you want to continue? [Y/n] Y
Get:1 http://in.archive.ubuntu.com/ubuntu focal/main amd64 python-is-python3 all 3.8.2-4 [2,364 B]
Fetched 2,364 B in 1s (3,880 B/s)
(Reading database ... 201961 files and directories currently installed.)
Removing python-is-python2 (2.7.17-4) ...
Selecting previously unselected package python-is-python3.
(Reading database ... 201957 files and directories currently installed.)
Preparing to unpack .../python-is-python3_3.8.2-4_all.deb ...
Unpacking python-is-python3 (3.8.2-4) ...
Setting up python-is-python3 (3.8.2-4) ...
jeya-pt6325@jeya-pt6325:~$ python --version
Python 3.8.10
```

```
jeya-pt6325@jeya-pt6325:~$ sudo apt-get -y install python3-pip
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  binutils binutils-common binutils-x86-64-linux-gnu build-essential dpkg-dev fakeroot g++ g++-9 gcc gcc-9 libalgorithm-diff-perl libalgorithm-diff-xs-perl libalgorithm-merge-perl libasan5 libbinutils
  libc-dev-bin libc6-dev libcrypt-dev libctf-nobfd libctf9g libexpat1-dev libfakeroot libgcc-9-dev libltn1 liblsan0 libpython3-dev libpython3.8-dev libquadmath0 libstdc++-9-dev libtsan0 libubsan1
  linux-libc-dev make nanaspaces-dev python-pip-whl python3-dev python3-distutils python3-pip python3-setuptools python3-wheel python3.8-dev zlib1g-dev
Suggested packages:
  binutils-doc debconf-keyring g++-multilib g++-9-multilib gcc-9-doc gcc-multilib autoconf autotools libtool flex bison gcc-doc gcc-9-multilib gcc-9-locales glibc-doc libstdc++-9-doc make-doc
  python-setuptools-doc
The following NEW packages will be installed:
  binutils binutils-common binutils-x86-64-linux-gnu build-essential dpkg-dev fakeroot g++ g++-9 gcc gcc-9 libalgorithm-diff-perl libalgorithm-diff-xs-perl libalgorithm-merge-perl libasan5 libbinutils
  libc-dev-bin libc6-dev libcrypt-dev libctf-nobfd libctf9g libexpat1-dev libfakeroot libgcc-9-dev libltn1 liblsan0 libpython3-dev libpython3.8-dev libquadmath0 libstdc++-9-dev libtsan0 libubsan1
  linux-libc-dev make nanaspaces-dev python-pip-whl python3-dev python3-distutils python3-pip python3-setuptools python3-wheel python3.8-dev zlib1g-dev
0 upgraded, 42 newly installed, 0 to remove and 20 not upgraded.
Need to get 44.1 MB of archives.
After this operation, 199 MB of additional disk space will be used.
Get:1 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 binutils-common amd64 2.34-6ubuntu1.3 [207 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libbinutils amd64 2.34-6ubuntu1.3 [474 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libctf-nobfd amd64 2.34-6ubuntu1.3 [47.4 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libctf9g amd64 2.34-6ubuntu1.3 [46.6 kB]
Get:5 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 binutils-x86-64-linux-gnu amd64 2.34-6ubuntu1.3 [1,613 kB]
Get:6 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 binutils amd64 2.34-6ubuntu1.3 [3,380 B]
Get:7 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libc-dev-bin amd64 2.31-0ubuntu9.9 [71.8 kB]
Get:8 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 linux-libc-dev amd64 5.4.0-131-147 [1,109 kB]
Get:9 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libcrypt-dev amd64 1:4.4.0-10ubuntu4 [104 kB]
Get:10 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libc-dev amd64 2.31-0ubuntu9.9 [2,519 kB]
Get:11 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libltn1 amd64 10.3.0-1ubuntu1-20.04 [26.2 kB]
Get:12 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libasan5 amd64 9.4.0-1ubuntu1-20.04.1 [2,751 kB]
Get:13 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 liblsan0 amd64 10.3.0-1ubuntu1-20.04 [835 kB]
Get:14 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libtsan0 amd64 10.3.0-1ubuntu1-20.04 [2,009 kB]
Get:15 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libubsan1 amd64 10.3.0-1ubuntu1-20.04 [784 kB]
Get:16 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libquadmath0 amd64 10.3.0-1ubuntu1-20.04 [146 kB]
Get:17 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libgcc-9-dev amd64 9.4.0-1ubuntu1-20.04.1 [2,359 kB]
Get:18 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 gcc-9 amd64 9.4.0-1ubuntu1-20.04.1 [8,274 kB]
Get:19 http://in.archive.ubuntu.com/ubuntu focal/main amd64 gcc amd64 4:9.3.0-1ubuntu2 [5,208 B]
Get:20 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libstdc++-9-dev amd64 9.4.0-1ubuntu1-20.04.1 [1,722 kB]
Get:21 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 g++-9 amd64 9.4.0-1ubuntu1-20.04.1 [8,420 kB]
Get:22 http://in.archive.ubuntu.com/ubuntu focal/main amd64 g++ amd64 4:9.3.0-1ubuntu2 [1,604 B]
Get:23 http://in.archive.ubuntu.com/ubuntu focal/main amd64 make amd64 4.2.1-2 [162 kB]
Get:24 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 dpkg-dev all 1.19.7ubuntu3.2 [679 kB]
Get:25 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 build-essential amd64 12.8ubuntu1.1 [4,604 B]
Get:26 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libfakeroot amd64 1.24-1 [25.7 kB]
Get:27 http://in.archive.ubuntu.com/ubuntu focal/main amd64 fakeroot amd64 1.24-1 [62.6 kB]
Get:28 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libalgorithm-diff-perl all 1.19.03-2 [46.6 kB]
Get:29 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libalgorithm-diff-xs-perl amd64 0.04-6 [11.3 kB]
Get:30 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libalgorithm-merge-perl all 0.08-3 [12.0 kB]
Get:31 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libexpat1-dev amd64 2.2.9-1ubuntu0.4 [117 kB]
Get:32 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libpython3.8-dev amd64 3.8.10-0ubuntu1-20.04.5 [3,951 kB]
Get:33 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libpython3-dev amd64 3.8.2-0ubuntu2 [7,236 B]
Get:34 http://in.archive.ubuntu.com/ubuntu focal/main amd64 nanaspaces-dev all 5.05-1 [2,256 kB]
Get:35 http://in.archive.ubuntu.com/ubuntu focal-updates/universe amd64 python-pip-whl all 20.0.2-Subuntul.6 [1,805 kB]
Get:36 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 zlib1g-dev amd64 1:1.2.11.dfsg-2ubuntu1.5 [155 kB]
Get:37 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 python3.8-dev amd64 3.8.10-0ubuntu1-20.04.5 [514 kB]
Get:38 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 python3-distutils all 3.8.10-0ubuntu1-20.04 [141 kB]
Get:39 http://in.archive.ubuntu.com/ubuntu focal/main amd64 python3-dev amd64 3.8.2-0ubuntu2 [1,212 B]
Get:40 http://in.archive.ubuntu.com/ubuntu focal/main amd64 python3-setuptools all 45.2.0-1 [330 kB]
Get:41 http://in.archive.ubuntu.com/ubuntu focal/universe amd64 python3-wheel all 0.34.2-1 [23.8 kB]
Get:42 http://in.archive.ubuntu.com/ubuntu focal-updates/universe amd64 python3-pip all 20.0.2-Subuntul.6 [231 kB]
Fetched 44.1 MB in 9s (4,659 kB/s)
Extracting templates from packages: 100%
```

```
jeya-pt6325@jeya-pt6325:~$ sudo apt-get install python3-pip
Selecting previously unselected package python3-distutils.
Preparing to unpack .../37-python3-distutils_3.8.10-0ubuntu1-20.04_all.deb ...
Unpacking python3-distutils (3.8.10-0ubuntu1-20.04) ...
Selecting previously unselected package python3-dev.
Preparing to unpack .../38-python3-dev_3.8.2-0ubuntu2_amd64.deb ...
Unpacking python3-dev (3.8.2-0ubuntu2) ...
Selecting previously unselected package python3-setuptools.
Preparing to unpack .../39-python3-setuptools_45.2.0-1_all.deb ...
Unpacking python3-setuptools (45.2.0-1) ...
Selecting previously unselected package python3-wheel.
Preparing to unpack .../40-python3-wheel_0.34.2-1_all.deb ...
Unpacking python3-wheel (0.34.2-1) ...
Selecting previously unselected package python3-pip.
Preparing to unpack .../41-python3-pip_20.0.2-Subuntui.6_all.deb ...
Unpacking python3-pip (20.0.2-Subuntui.6) ...
Setting up python3-distutils (3.8.10-0ubuntu1-20.04) ...
Setting up manpages-dev (5.05-1) ...
Setting up python3-setuptools (45.2.0-1) ...
Setting up libalgorithm-diff-perl (1.19.03-2) ...
Setting up binutils-common:amd64 (2.34-0ubuntu1.3) ...
Setting up linux-libc-dev:amd64 (5.4.0-131.147) ...
Setting up libctf-nobfd:amd64 (2.34-0ubuntu1.3) ...
Setting up python3-wheel (0.34.2-1) ...
Setting up libfakeroot:amd64 (1.24-1) ...
Setting up fakeroot (1.24-1) ...
update-alternatives: using /usr/bin/fakeroot-sysv to provide /usr/bin/fakeroot (fakeroot) in auto mode
Setting up libasan5:amd64 (9.4.0-1ubuntu1-20.04.1) ...
Setting up make (4.2.1-1.2) ...
Setting up libquadmath0:amd64 (10.3.0-1ubuntu1-20.04) ...
Setting up libubsan1:amd64 (10.3.0-1ubuntu1-20.04) ...
Setting up libcrypt-dev:amd64 (1:4.4.10-10ubuntu4) ...
Setting up python3-pip-whl (20.0.2-Subuntui.6) ...
Setting up libbinutils:amd64 (2.34-0ubuntu1.3) ...
Setting up libc-dev-bin (2.31-0ubuntu9) ...
Setting up libalgorithm-diff-xs-perl (0.04-6) ...
Setting up liblsan0:amd64 (10.3.0-1ubuntu1-20.04) ...
Setting up libitm1:amd64 (10.3.0-1ubuntu1-20.04) ...
Setting up libalgorithm-merge-perl (0.08-3) ...
Setting up libtsan0:amd64 (10.3.0-1ubuntu1-20.04) ...
Setting up libctf0:amd64 (2.34-0ubuntu1.3) ...
Setting up libgcc-9-dev:amd64 (9.4.0-1ubuntu1-20.04.1) ...
Setting up python3-pip (20.0.2-Subuntui.6) ...
Setting up libc6-dev:amd64 (2.31-0ubuntu9) ...
Setting up binutils-x86_64-linux-gnu (2.34-0ubuntu1.3) ...
Setting up libstdc++-9-dev:amd64 (9.4.0-1ubuntu1-20.04.1) ...
Setting up binutils (2.34-0ubuntu1.3) ...
Setting up dpkg-dev (1.19.7ubuntu3.2) ...
Setting up libexpat1-dev:amd64 (2.2.9-1ubuntu0.4) ...
Setting up libpython3.8-dev:amd64 (3.8.10-0ubuntu1-20.04.5) ...
Setting up zlib1g-dev:amd64 (1:1.2.11.dfsg-2ubuntu1.5) ...
Setting up gcc-9 (9.4.0-1ubuntu1-20.04.1) ...
Setting up libpython3-dev:amd64 (3.8.2-0ubuntu2) ...
Setting up gcc (4:9.3.0-1ubuntu2) ...
Setting up g++-9 (9.4.0-1ubuntu1-20.04.1) ...
Setting up python3.8-dev (3.8.10-0ubuntu1-20.04.5) ...
Setting up g++ (4:9.3.0-1ubuntu2) ...
update-alternatives: using /usr/bin/g++ to provide /usr/bin/c++ (c++) in auto mode
Setting up build-essential (12.0ubuntu1) ...
Setting up python3-dev (3.8.2-0ubuntu2) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9) ...
jeya-pt6325@jeya-pt6325:~$
```

```
jeya-pt6325@jeya-pt6325:~$ pip --version
pip 20.0.2 from /usr/lib/python3/dist-packages/pip (python 3.8)
jeya-pt6325@jeya-pt6325:~$
```

```
jeya-pt6325@jeya-pt6325:~$ python -m pip --version
pip 20.0.2 from /usr/lib/python3/dist-packages/pip (python 3.8)
jeya-pt6325@jeya-pt6325:~$
```

```
jeya-pt6325@jeya-pt6325:~$ python -m pip install flask
Collecting flask
  Downloading Flask-2.2.2-py3-none-any.whl (101 kB)
    |#####| 101 kB 3.4 MB/s
Collecting Werkzeug==2.2.2
  Downloading Werkzeug-2.2.2-py3-none-any.whl (232 kB)
    |#####| 232 kB 19.7 MB/s
Collecting itsdangerous==2.0
  Downloading itsdangerous-2.1.2-py3-none-any.whl (15 kB)
Collecting Jinja2==3.0
  Downloading Jinja2-3.1.2-py3-none-any.whl (133 kB)
    |#####| 133 kB 21.1 MB/s
Collecting click==8.0
  Downloading click-8.1.3-py3-none-any.whl (96 kB)
    |#####| 96 kB 4.7 MB/s
Collecting importlib-metadata==3.6.0; python_version < "3.10"
  Downloading importlib_metadata-5.0.0-py3-none-any.whl (21 kB)
Collecting MarkupSafe==2.1.1
  Downloading MarkupSafe-2.1.1-cp38-cp38-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (25 kB)
Collecting zipp==0.5
  Downloading zipp-3.10.0-py3-none-any.whl (6.2 kB)
Installing collected packages: MarkupSafe, Werkzeug, itsdangerous, Jinja2, click, zipp, importlib-metadata, flask
WARNING: The script flask is installed in '/home/local/ZOHOCORP/jeya-pt6325/.local/bin' which is not on PATH.
Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
Successfully installed Jinja2-3.1.2 MarkupSafe-2.1.1 Werkzeug-2.2.2 click-8.1.3 flask-2.2.2 importlib-metadata-5.0.0 itsdangerous-2.1.2 zipp-3.10.0
jeya-pt6325@jeya-pt6325:~$
```



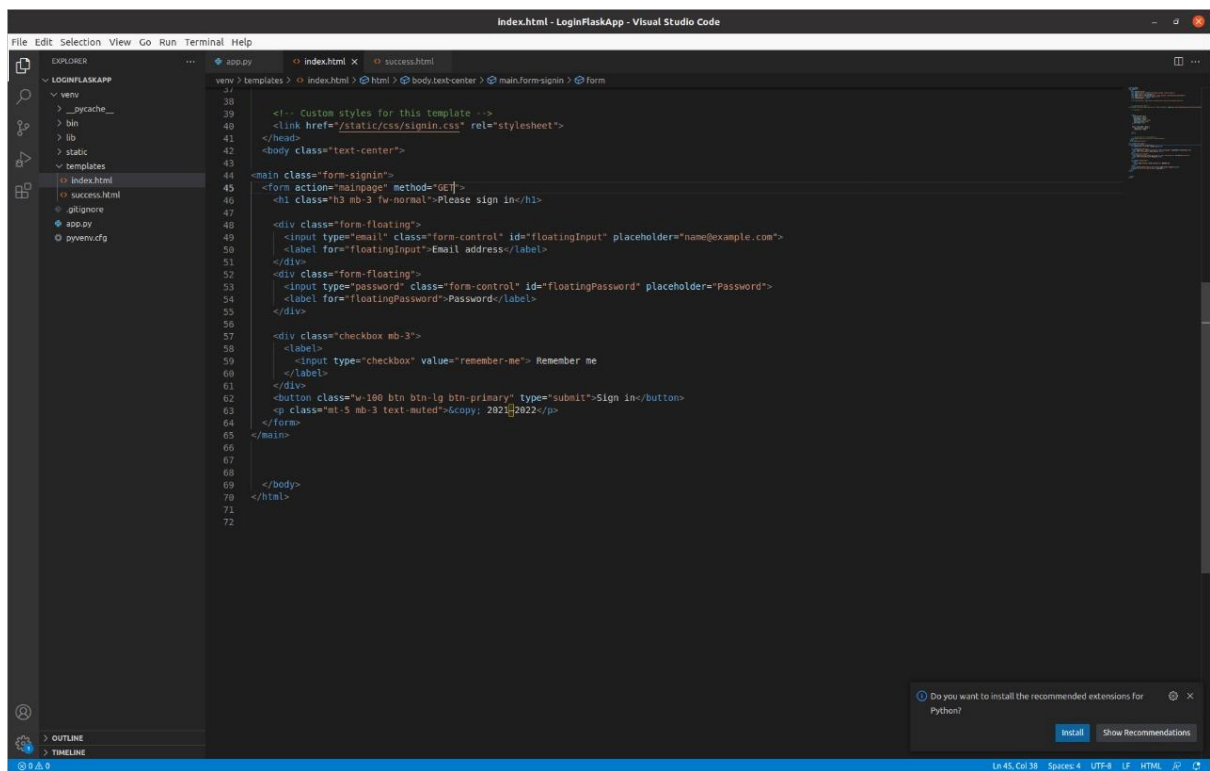
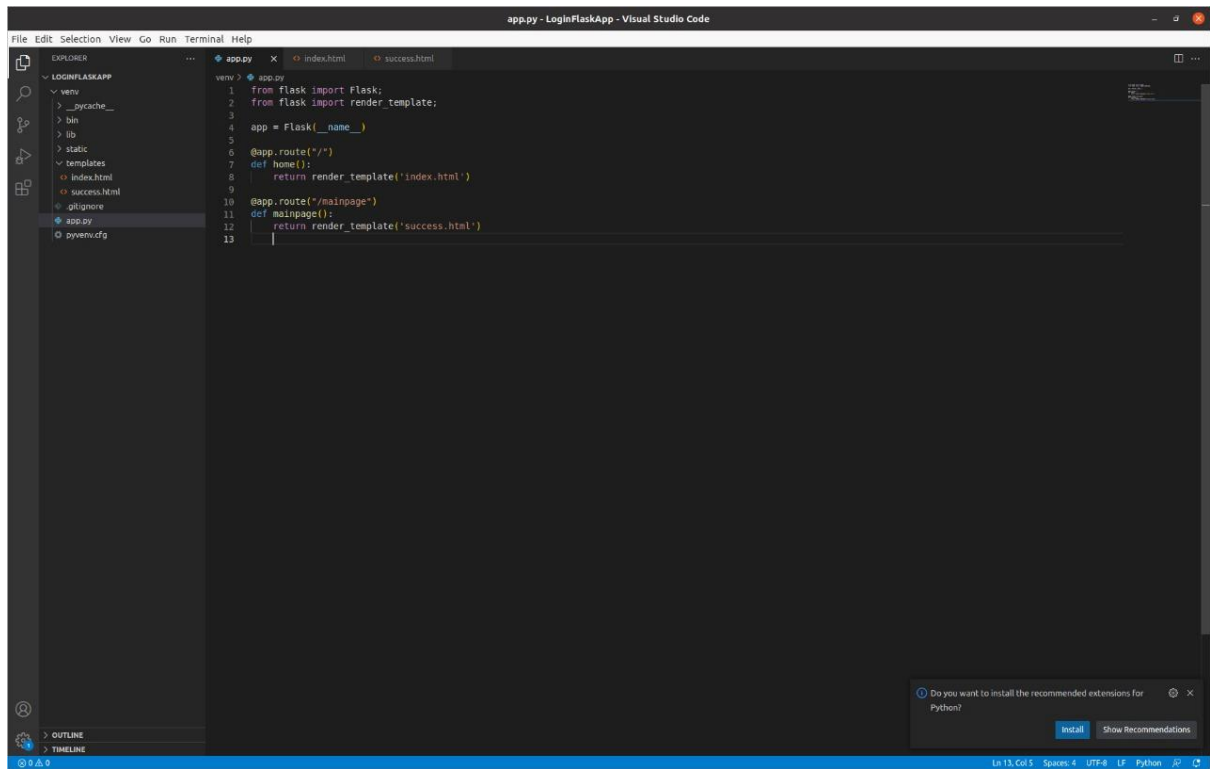
```
jeya-pt6325@jeya-pt6325:~$ python -m flask --version
Python 3.8.10
Flask 2.2.2
Werkzeug 2.2.2
jeya-pt6325@jeya-pt6325:~$
```

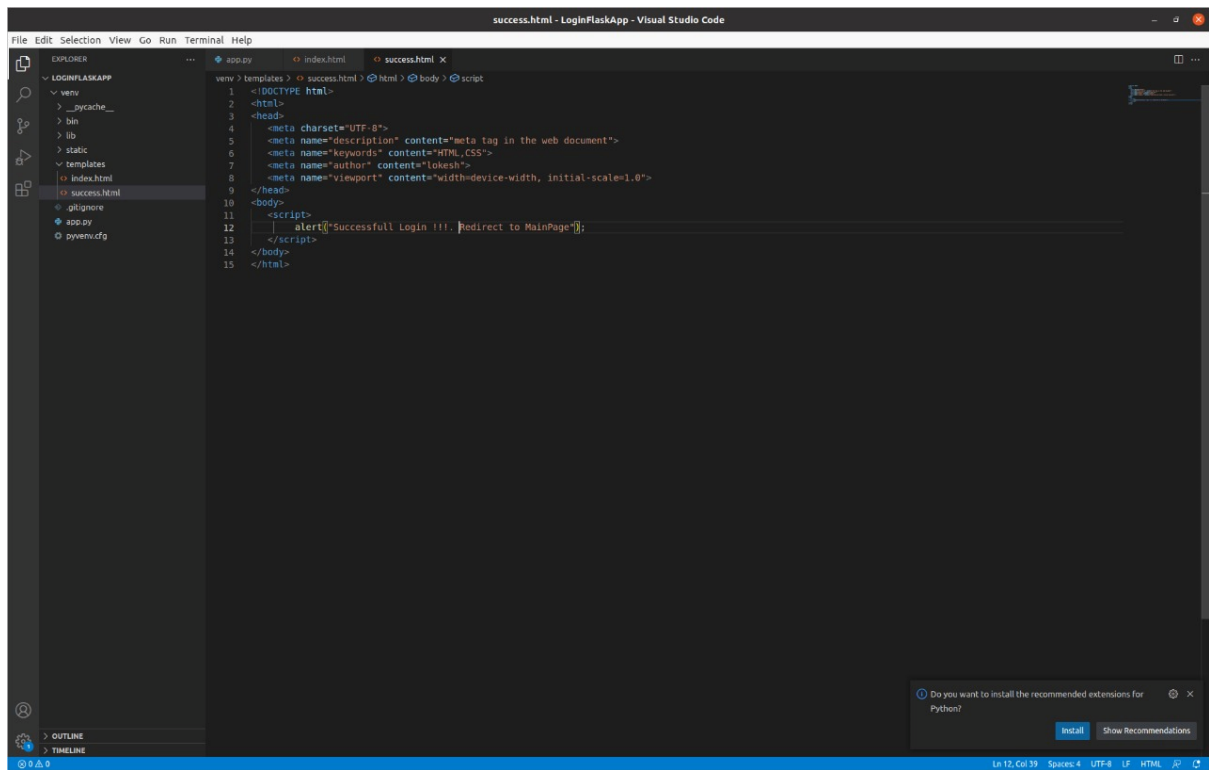
```
jeya-pt6325@jeya-pt6325:~/LoginFlaskApp$ python -m pip install virtualenv
Collecting virtualenv
  Downloading virtualenv-20.16.6-py3-none-any.whl (8.8 MB)
    |#####| 8.8 MB 4.2 MB/s
Collecting filelock<4,>=3.4.1
  Downloading filelock-3.8.0-py3-none-any.whl (10 kB)
Collecting platformdirs<3,>=2.4
  Downloading platformdirs-2.5.3-py3-none-any.whl (14 kB)
Collecting distlib<1,>=0.3.6
  Downloading distlib-0.3.6-py2.py3-none-any.whl (468 kB)
    |#####| 468 kB 3.3 MB/s
Installing collected packages: filelock, platformdirs, distlib, virtualenv
  WARNING: The script virtualenv is installed in '/home/local/ZOHOCORP/jeya-pt6325/.local/bin' which is not on PATH.
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
Successfully installed distlib-0.3.6 filelock-3.8.0 platformdirs-2.5.3 virtualenv-20.16.6
jeya-pt6325@jeya-pt6325:~/LoginFlaskApp$
```

```
created virtual environment CPython3.8.10.final.0-64 in 256ms
creator CPython3Posix(dest=/home/local/ZOHOCORP/jeya-pt6325/LoginFlaskApp/venv, clear=False, no_vcs_ignore=False, global=False)
seeder FromAppData(download=False, pip=bundle, setuptools=bundle, wheel=bundle, via=copy, app_data_dir=/home/local/ZOHOCORP/jeya-pt6325/.local/share/virtualenv)
added seed packages: pip==22.3, setuptools==65.5.0, wheel==0.37.1
activators BashActivator,CShellActivator,FishActivator,NushellActivator,PowerShellActivator,PythonActivator
jeya-pt6325@jeya-pt6325:~/LoginFlaskApp$ ls
venv
```

```
jeya-pt6325@jeya-pt6325:~/LoginFlaskApp$ source venv/bin/activate
(venv) jeya-pt6325@jeya-pt6325:~/LoginFlaskApp$ pip install flask
Collecting flask
  Using cached Flask-2.2.2-py3-none-any.whl (101 kB)
Collecting itsdangerous>=2.0
  Using cached itsdangerous-2.1.2-py3-none-any.whl (15 kB)
Collecting importlib-metadata>=3.6.0
  Using cached importlib_metadata-5.0.0-py3-none-any.whl (21 kB)
Collecting click>=8.0
  Using cached click-8.1.3-py3-none-any.whl (96 kB)
Collecting Werkzeug>=2.2.2
  Using cached Werkzeug-2.2.2-py3-none-any.whl (232 kB)
Collecting Jinja2>=3.0
  Using cached Jinja2-3.1.2-py3-none-any.whl (133 kB)
Collecting zipp>=0.5
  Using cached zipp-3.10.0-py3-none-any.whl (6.2 kB)
Collecting MarkupSafe>=2.0
  Using cached MarkupSafe-2.1.1-cp38-cp38-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (25 kB)
Installing collected packages: zipp, MarkupSafe, itsdangerous, click, Werkzeug, Jinja2, importlib-metadata, flask
Successfully installed Jinja2-3.1.2 MarkupSafe-2.1.1 Werkzeug-2.2.2 click-8.1.3 flask-2.2.2 importlib-metadata-5.0.0 itsdangerous-2.1.2 zipp-3.10.0

[notice] A new release of pip available: 22.3 -> 22.3.1
[notice] To update, run: pip install --upgrade pip
(venv) jeya-pt6325@jeya-pt6325:~/LoginFlaskApp$
```





```
^C(venv) jeya-pt6325@jeya-pt6325:~/LoginFlaskApp/venv$ flask run
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
127.0.0.1 - - [11/Nov/2022 00:04:30] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [11/Nov/2022 00:04:31] "GET /static/css/bootstrap.min.css HTTP/1.1" 304 -
127.0.0.1 - - [11/Nov/2022 00:04:31] "GET /static/css/signin.css HTTP/1.1" 304 -
127.0.0.1 - - [11/Nov/2022 00:04:35] "GET /mainpage HTTP/1.1" 200 -
^C(venv) jeya-pt6325@jeya-pt6325:~/LoginFlaskApp/venv$
```

