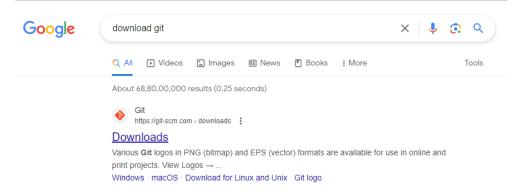
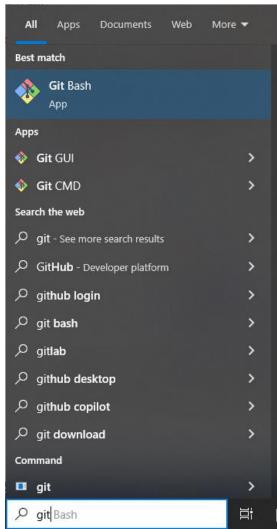
1. Download git and install it

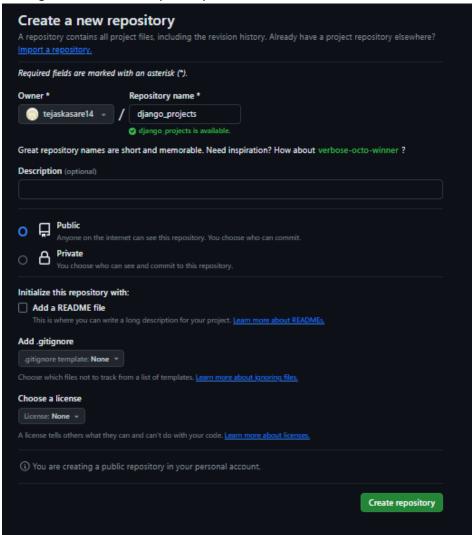


Download it and install ju by clicking next

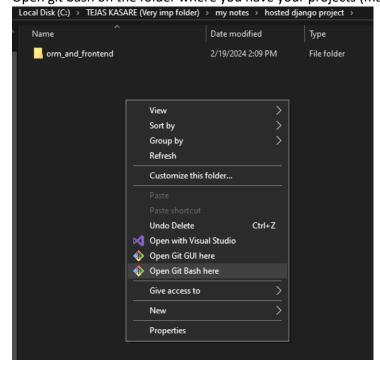
2. Go to window search and search for



- 3. Create account on github login
- 4. Go to github and create repository



5. Open git bash on the folder where you have your projects (make sure all functionalities are working fine)



```
6. Run following commands on git bash
admin@pc-16 MINGW64 /c/TEJAS KASARE (Very imp folder)/my notes/hosted django project (master)
$ git init
admin@pc-16 MINGW64 /c/TEJAS KASARE (Very imp folder)/my notes/hosted django project (master)
$ git add .
admin@pc-16 MINGW64 /c/TEJAS KASARE (Very imp folder)/my notes/hosted django project (master)
$ git config --global user.email tejaskasare.projects@gmail.com
admin@pc-16 MINGW64 /c/TEJAS KASARE (Very imp folder)/my notes/hosted django project (master)
$ git config --global user.name "tejaskasare14"
admin@pc-16 MINGW64 /c/TEJAS KASARE (Very imp folder)/my notes/hosted django project (master) $ git commit -m "intial project uploaded" [master (root-commit) 8b5e815] intial project uploaded
      ister (root-commit) 8b5e815] intial project uploaded
59 files changed, 1324 insertions(+)
create mode 100644 orm_and_frontend/manage.py
create mode 100644 orm_and_frontend/media/image/jacket.webp
create mode 100644 orm_and_frontend/media/image/mobile1.jpg
create mode 100644 orm_and_frontend/media/image/mobile2.jpg
create mode 100644 orm_and_frontend/media/image/shirt.webp
create mode 100644 orm_and_frontend/media/image/shoe1.jpg
create mode 100644 orm_and_frontend/media/image/shoe1.yPVBJls.jpg
create mode 100644 orm_and_frontend/orm_and_frontend/_init__.py
create mode 100644 orm_and_frontend/orm_and_frontend/_pycache__/_init__.cpython-312.pyc
create mode 100644 orm_and_frontend/orm_and_frontend/_pycache__/settings.cpython-312.pyc
create mode 100644 orm_and_frontend/orm_and_frontend/_pycache__/wsgi.cpython-312.pyc
create mode 100644 orm_and_frontend/orm_and_frontend/_pycache__/wsgi.cpython-312.pyc
create mode 100644 orm_and_frontend/orm_and_frontend/asgi.py
create mode 100644 orm_and_frontend/orm_and_frontend/settings.py
       create mode 100644 orm_and_frontend/orm_and_frontend/asg1.py
create mode 100644 orm_and_frontend/orm_and_frontend/urls.py
create mode 100644 orm_and_frontend/orm_and_frontend/wsg1.py
       create mode 100644 orm_and_frontend/product/__init__.py
create mode 100644 orm_and_frontend/product/__pycache__
create mode 100644 orm_and_frontend/product/__pycache__
create mode 100644 orm_and_frontend/product/__pycache__
                                                                                                                                          _init___.cpython-312.pyc
                                                                                                                                   /admin.cpython-312.pyc
                                                                                                               _pycache___/apps.cpython-312.pyc
       create mode 100644 orm_and_frontend/product/_
                                                                                                               _pycache___/models.cpython-312.pyc
                                                                                                               _pycache__/product_urls.cpython-312.pyc
_pycache__/user_urls.cpython-312.pyc
                                                                                                             _pycache__/views.cpython-312.pyc
       create mode 100644 orm_and_frontend/product/admin.py create mode 100644 orm_and_frontend/product/apps.py
       create mode 100644 orm_and_frontend/product/migrations/0001_initial.py
       create mode 100644 orm_and_frontend/product/migrations/0002_alter_producttable_category.py create mode 100644 orm_and_frontend/product/migrations/0003_producttable_image.py
       create mode 100644 orm_and_frontend/product/migrations/0004_carttable.py
                       create mode 100644
       orm_and_frontend/product/migrations/0005_alter_carttable_pid_alter_carttable_uid.py create mode 100644 orm_and_frontend/product/migrations/0006_carttable_quantity.py create mode 100644 orm_and_frontend/product/migrations/0007_ordertable.py create mode 100644 orm_and_frontend/product/migrations/0008_customerdetails.py create mode 100644 orm_and_frontend/product/migrations/__init__.py
                       create mode 100644
       orm_and_frontend/product/migrations/__pycache__/0001_initial.cpython-312.pyc
        create mode 100644
       orm_and_frontend/product/migrations/__pycache__/0002_alter_producttable_category.cpython-
        create mode 100644
       orm_and_frontend/product/migrations/__pycache__/0003_producttable_image.cpython-312.pyc
        create mode 100644 orm_and_frontend/product/migrations/_pycache__/0004_carttable.cpython-
        create mode 100644
       orm_and_frontend/product/migrations/__pycache__/0005_alter_carttable_pid_alter_carttable_uid
        .cpython-312.pyc
        create mode 100644
       orm_and_frontend/product/migrations/__pycache__/0006_carttable_quantity.cpython-312.pyc
create mode 100644 orm_and_frontend/product/migrations/__pycache__/0007_ordertable.cpython-
        312.pyc
          create mode 100644
       orm_and_frontend/product/migrations/__pycache__/0008_customerdetails.cpython-312.pyc
create mode 100644 orm_and_frontend/product/migrations/__pycache__/__init__.cpython-312.pyc
create mode 100644 orm_and_frontend/product/models.py
create mode 100644 orm_and_frontend/product/product_urls.py
create mode 100644 orm_and_frontend/product/tests.py
create mode 100644 orm_and_frontend/product/views.py
create mode 100644 orm_and_frontend/product/views.py
create mode 100644 orm_and_frontend/static/css/product_style.css
```

create mode 100644 orm_and_frontend/static/css/product_style.css

```
create mode 100644 orm_and_frontend/static/images/shirt.webp create mode 100644 orm_and_frontend/templates/product/cart.html create mode 100644 orm_and_frontend/templates/product/index.html create mode 100644 orm_and_frontend/templates/product/order.html create mode 100644 orm_and_frontend/templates/product/pay.html create mode 100644 orm_and_frontend/templates/product/product_detail.html create mode 100644 orm_and_frontend/templates/user/edit_profile.html create mode 100644 orm_and_frontend/templates/user/login.html create mode 100644 orm_and_frontend/templates/user/register.html
```

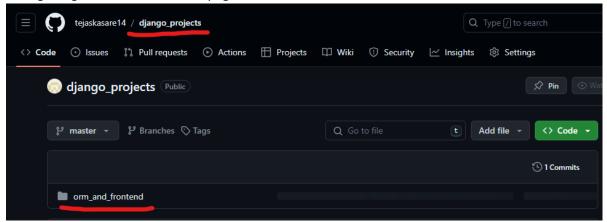
admin@pc-16 MINGW64 /c/TEJAS KASARE (Very imp folder)/my notes/hosted django project (master)
\$ git remote add origin https://github.com/tejaskasare14/django_projects.git

admin@pc-16 MINGW64 /c/TEJAS KASARE (Very imp folder)/my notes/hosted django project (master)

\$ git push -u origin master
Enumerating objects: 72, done.
Counting objects: 100% (72/72), done.
Delta compression using up to 4 threads
Compressing objects: 100% (67/67), done.
Writing objects: 100% (72/72), 64.85 KiB | 4.32 MiB/s, done.
Total 72 (delta 18), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (18/18), done.
To https://github.com/tejaskasare14/django_projects.git

* [new branch] master -> master
branch 'master' set up to track 'origin/master'.

7. Now go to github and refresh the page



You will get your project on github, DONE!!!!!!!!!

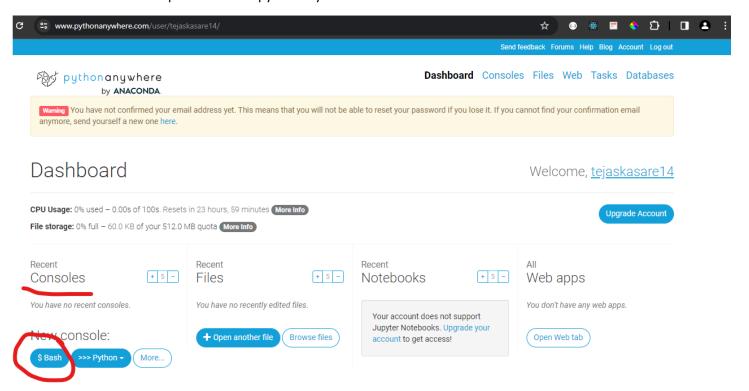
- 8. DEPLOYING PROJECT on pythonanywhere
 - a. Check python and django version in your system

```
C:\Users\admin>python --version
Python 3.12.0

C:\Users\admin>python
Python 3.12.0 (tags/v3.12.0:0fb18b0, Oct 2 2023, 13:03:39) [MSC v.1935 64 bit (AMD64)] on win32

Type "help", "copyright", "credits" or "license" for more information.
>>> import django
>>> django.__version__
'4.2.6'
>>> __
```

- b. Sign up on python anywhere
- c. Create virtual environment on pythonanywhere
 - i. Open bash from pythonanywhere dashboard



Install virtual environment

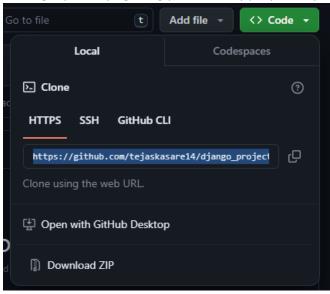
```
09:37 ~ $ pip install virtualenv
Defaulting to user installation because normal site-packages is not writeable
Looking in links: /usr/share/pip-wheels
Requirement already satisfied: virtualenv in /usr/local/lib/python3.10/site-packages
(20.15.1)
Requirement already satisfied: filelock<4,>=3.2 in /usr/local/lib/python3.10/site-packages (from virtualenv) (3.4.2)
Requirement already satisfied: distlib<1,>=0.3.1 in /usr/local/lib/python3.10/site-packages (from virtualenv) (0.3.5)
Requirement already satisfied: platformdirs<3,>=2 in /usr/local/lib/python3.10/site-packages (from virtualenv) (2.5.2)
Requirement already satisfied: six<2,>=1.9.0 in /usr/local/lib/python3.10/site-packages (from virtualenv) (1.16.0)
09:39 ~ $ mkvirtualenv --python=python3.12.0 my_vr_env
RuntimeError: failed to find interpreter for Builtin discover of python_spec='python 3.12.0'
```

```
09:39 ~ 💲 mkvirtualenv 🛮 my_vr_env
created virtual environment CPython3.10.5.final.0-64 in 119670ms
   creator CPython3Posix(dest=/home/tejaskasare14/.virtualenvs/my_vr_env, clear=False
, no_vcs_ignore=False, global=False)
seeder FromAppData(download=False, pip=bundle, setuptools=bundle, wheel=bundle, vi
a=copy, app_data_dir=/home/tejaskasare14/.local/share/virtualenv)
added seed packages: pip==22.1.2, setuptools==62.6.0, wheel==0.37.1
activators BashActivator,CShellActivator,FishActivator,NushellActivator,PowerShell
Activator,PythonActivator
virtualenvwrapper.user_scripts creating /home/tejaskasare14/.virtualenvs/my_vr_env/b
in/predeactivate
 virtualenvwrapper.user_scripts creating /home/tejaskasare14/.virtualenvs/my_vr_env/b
in/postdeactivate
 virtualenvwrapper.user_scripts creating /home/tejaskasare14/.virtualenvs/my_vr_env/b
in/preactivate
 virtualenvwrapper.user_scripts creating /home/tejaskasare14/.virtualenvs/my_vr_env/b
in/postactivate
 virtualenvwrapper.user_scripts creating /home/tejaskasare14/.virtualenvs/my_vr_env/b
in/get_env_details
(my_vr_env) 09:42 ~ $
Installing Django
(my_vr_env) 09:42 ~ 5 pip install -U django==4.2.6
Looking in links: /usr/share/pip-wheels
Collecting django==4.2.6
Downloading Django-4.2.6-py3-none-any.whl (8.0 MB)
                                                                                            - 8.0/8.0 MB 4.5 MB/s eta 0:00:00
Collecting asgiref<4,>=3.6.0
Downloading asgiref-3.7.2-py3-none-any.whl (24 kB)
Collecting sqlparse>=0.3.1
Downloading sqlparse-0.4.4-py3-none-any.whl (41 kB)
                                                                                           - 41.2/41.2 kB 78.8 kB/s eta 0:00:00
Collecting typing-extensions>=4
Downloading typing_extensions-4.9.0-py3-none-any.whl (32 kB)
Installing collected packages: typing-extensions, sqlparse, asgiref, django
```

Checking Django version

```
(my_vr_env) 10:10 ~ $ pip list
Package <u>Version</u>
asgiref 3.7.2
Django 4.2.6
pip 22.1.2
setuptools 62.6.0
sqlparse 0.4.4
typing_extensions 4.9.0
wheel 0.37.1
```

Cloning repository: go to giyhub and copy repository url



Cloning repositiory on pythonanywhere

```
(my_vr_env) 10:11 ~ $ git clone https://github.com/tejaskasare14/django_projects.git cloning into 'django_projects'...
remote: Enumerating objects: 72, done.
remote: Counting objects: 100% (72/72), done.
remote: Compressing objects: 100% (49/49), done.
remote: Total 72 (delta 18), reused 72 (delta 18), pack-reused 0
Unpacking objects: 100% (72/72), 64.83 KiB | 3.00 KiB/s, done.
Updating files: 100% (59/59), done.
(my_vr_env) 10:15 ~ $
```

Changing location to our project location

```
(my_vr_env) 10:15 ~ $ ls
README.txt django_projects
(my_vr_env) 10:16 ~ $ cd
.cache/ .ipython/ .local/ .virtualenvs/ django_projects/
(my_vr_env) 10:16 ~ $ cd django_projects
(my_vr_env) 10:17 ~/django_projects (master)$ ls
orm_and_frontend
(my_vr_env) 10:17 ~/django_projects (master)$ cd orm_and_frontend
```

Installing mysqlclient

```
(my_vr_env) 10:18 ~/django_projects/orm_and_frontend (master)$ pip install mysqlclient
Looking in links: /usr/share/pip-wheels
Collecting mysqlclient
Downloading mysqlclient-2.2.4.tar.gz (90 kB)

Installing build dependencies ... done
Getting requirements to build wheel ... done
Installing backend dependencies ... done
Preparing metadata (pyproject.toml) ... done
Building wheels for collected packages: mysqlclient
Building wheel for mysqlclient (pyproject.toml) ... done
Created wheel for mysqlclient: filename=mysqlclient-2.2.4-cp310-cp310-linux_x86_64.whl size=1322
53 sha256=8118af3d3326a3cf7lebdc37804dcd895815953b3a28d9d62f7d8e2deddc44a0
Stored in directory: /home/tejaskasare14/.cache/pip/wheels/ac/96/ac/2a4d8cb58a4d95de1dffc3f8b0ea
42e0e5b63ab97640edbda3
Successfully built mysqlclient
Installing collected packages: mysqlclient
Successfully installed mysqlclient-2.2.4
```

Installing razorpay

```
(my_vr_env) 10:22 ~/django_projects/orm_and_frontend (master)$ pip install razorpay
Looking in links: /usr/share/pip-wheels
Collecting razorpay
Downloading razorpay-1.4.1-py3-none-any.whl (172 kB)

Collecting requests
Downloading requests-2.31.0-py3-none-any.whl (62 kB)

Collecting certifi>=2017.4.17
Downloading certifi-2024.2.2-py3-none-any.whl (163 kB)

Collecting charset-normalizer<4,>=2
Downloading charset_normalizer<3.3.2-cp310-cp310-manylinux_2_17_x86_64.manylinux2014_x86_64.whl
(142 kB)

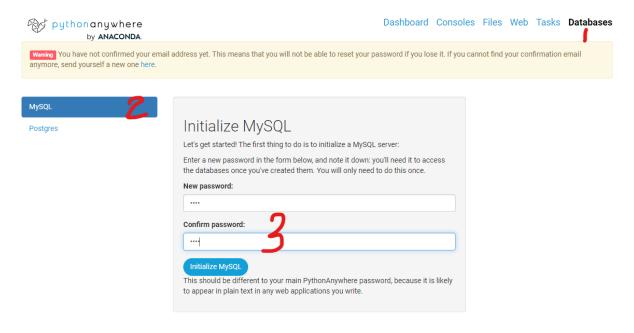
Collecting urllib3<3,>=1.21.1
Downloading urllib3-2.2.1-py3-none-any.whl (121 kB)

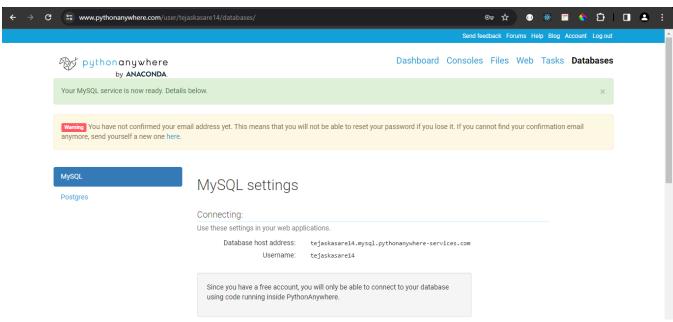
Collecting idna<4,>=2.5
Downloading idna<4,>=2.5
Downloading idna<4,>=3.5
Downloading idna<4,>=2.5
Downloading id
```

Installing pillow

```
(my_vr_env) 10:23 ~/django_projects/orm_and_frontend (master)$ pip install pillow
Looking in links: /usr/share/pip-wheels
Collecting pillow
Downloading pillow-10.2.0-cp310-cp310-manylinux_2_28_x86_64.whl (4.5 MB)
Installing collected packages: pillow
Successfully installed pillow-10.2.0
```

Creating mysql database in python anywhere





Creating new database

connecting.

Use these settings in your web applications.

Database host address: tejaskasare14.mysql.pythonanywhere-services.com

Username: tejaskasare14

Since you have a free account, you will only be able to connect to your database using code running inside PythonAnywhere.

Your databases:

Click a database's name to start a MySQL console logged in to it.

Name

tejaskasare14\$default

Create a database

Your database names always start with your username + "\$". There's no need to type that prefix in below, though: PythonAnywhere will automatically add it.



MySQL

Postgres

MySQL settings

Connecting:

Use these settings in your web applications.

Database host address: tejaskasare14.mysql.pythonanywhere-services.com

Username: tejaskasare14

Since you have a free account, you will only be able to connect to your database using code running inside PythonAnywhere.

Your databases:

Click a database's name to start a MySQL console logged in to it.

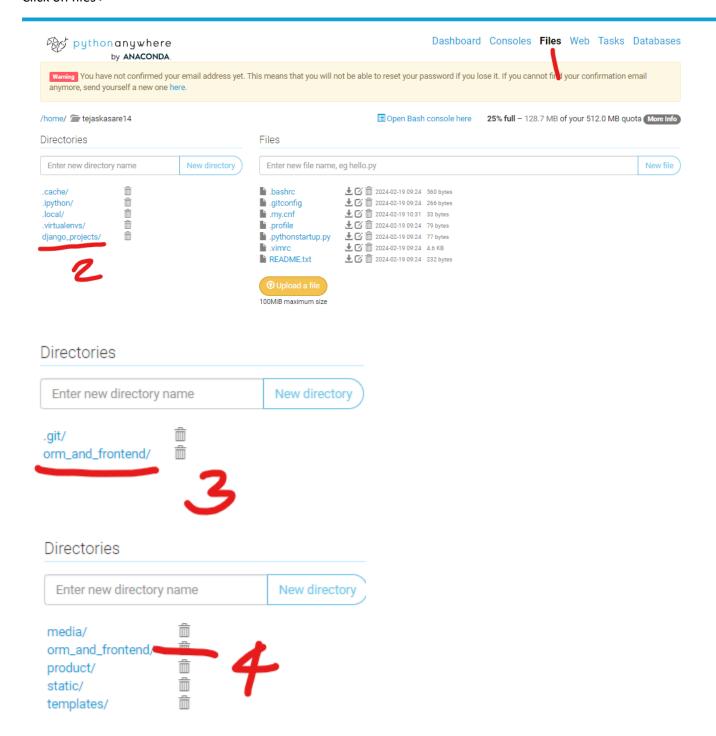
Name

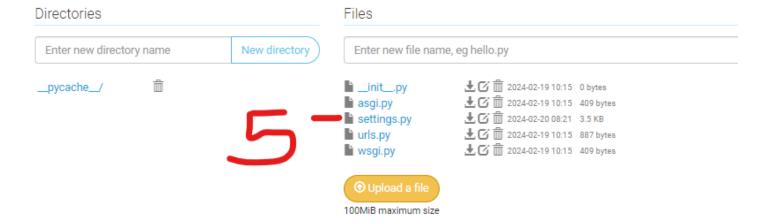
tejaskasare14\$default

tejaskasare14\$orm_and_frontend

Changing database details in settings.py

Click on files >



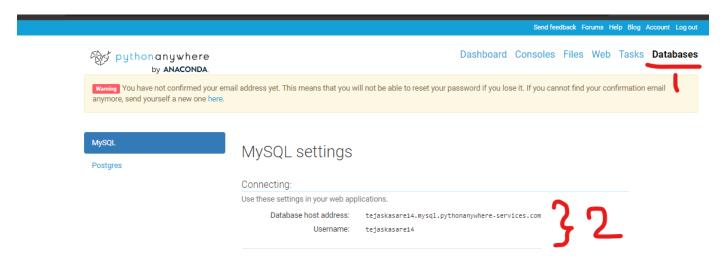


Add following details in settings.py about our database

```
/home/tejaskasare14/django_projects/orm_and_frontend/orm_and_frontend/settings.py
   72
   73
   74
       # Database
       # https://docs.djangoproject.com/en/4.2/ref/settings/#databases
   75
   76
   77 → DATABASES = {
            'default': {
   78 -
                'ENGINE': 'django.db.backends.mysql',
   79
                'NAME': 'tejaskasare14$orm and frontend',
   80
                'USER': 'tejaskasare14',
   81
                'PASSWORD': 'admin@123',
   82
                'HOST': 'tejaskasare14.mysql.pythonanywhere-services.com',
   83
   84
   85
   86
```

You have to add your database name, user, password and host.

You can find host and username as



Open console > bash and do migrations:

Open Mysql console

