

Python setup:

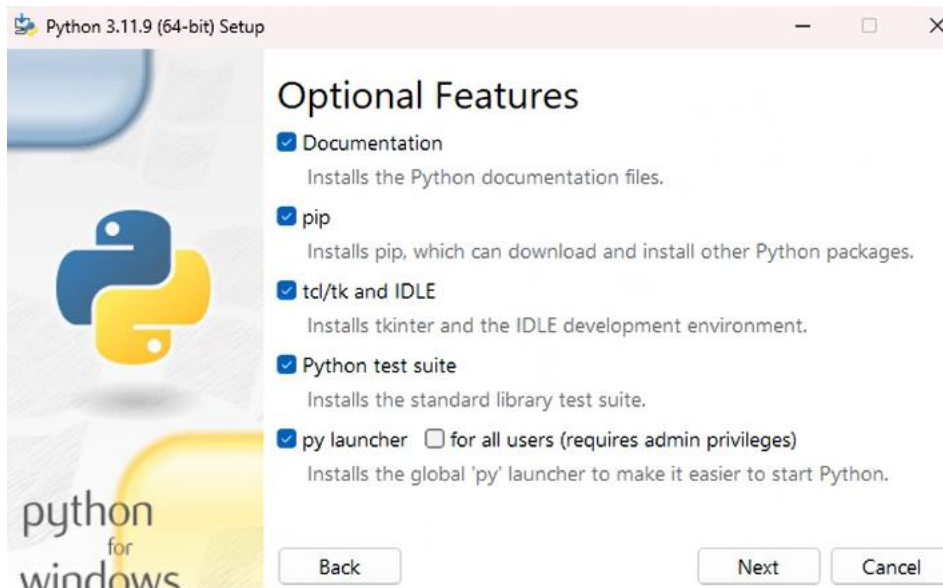
Link: [Python Releases for Windows | Python.org](https://www.python.org/downloads/windows/) (any latest version(Python 3.11.9 - April 2, 2024))

Step1: Open downloaded installer file

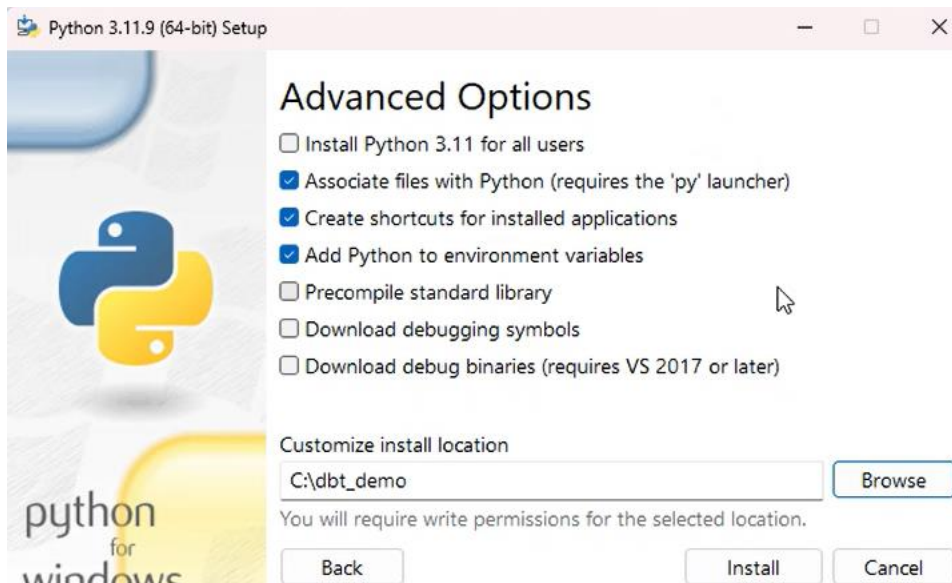
Step2: Do check on Add python.exe to Path and uncheck other option and click on Customize installation



Step3: Click on next



Step4: Create a folder (dbt_demo) in C drive and browse the location to install python and click on install



Step5: After success message, close the window

Setup was successful

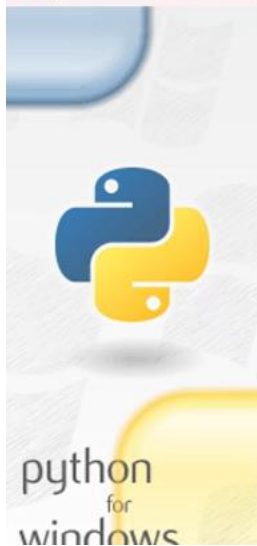
New to Python? Start with the [online tutorial](#) and [documentation](#). At your terminal, type "py" to launch Python, or search for Python in your Start menu.

See [what's new](#) in this release, or find more info about [using Python on Windows](#).



Disable path length limit

Changes your machine configuration to allow programs, including Python, to bypass the 260 character "MAX_PATH" limitation.



Close

Snowflake Free Account:

Link: [Snowflake Trial](#)

Step1: Provide required details as below and click on continue.

| | |
|---------------------------|---|
| G Satish | ✓ |
| Reddy | ✓ |
| SatishReddy.G@genpact.com | ✓ |
| Genpact | ✓ |
| Data Engineer | ▼ |
| India | ▼ |

By clicking the button below you understand that Snowflake will process your personal information in accordance with its [Privacy Notice](#). I may withdraw my consent through [unsubscribe links](#) at any time.

CONTINUE

Step2: Select Enterprise edition, choose cloud provider, click on check box and get started

Choose your Snowflake edition*

- ☐ **Standard**
A strong balance between features, level of support, and cost.
- ☒ **Enterprise**
Standard plus 90-day [time travel](#), [multi-cluster warehouses](#), and [materialized views](#).
- ☐ **Business Critical**
Enterprise plus enhanced security, data protection, and database failover/fallback.

Choose your cloud provider*



Asia Pacific (Mumbai) ▼

- ☒ Check here to indicate that you have read and agree to the terms of the [Snowflake Self-Service On Demand Terms](#).

GET STARTED

Step3: Do skip for next 3 pop-up's

Thanks for signing up with Snowflake!

Help us better serve you by answering these questions.



Why are you signing up for a trial?

- ☐ Company is considering Snowflake
- ☐ Training or Certification
- ☐ Personal learning and development
- ☐ Other

Skip

Continue

Step4: You will receive “**Activate your Snowflake account**” email to your registered email ID and do activate by clicking the link.

Step5: Once done note the Account ID, UserName, Password for dbt steup.

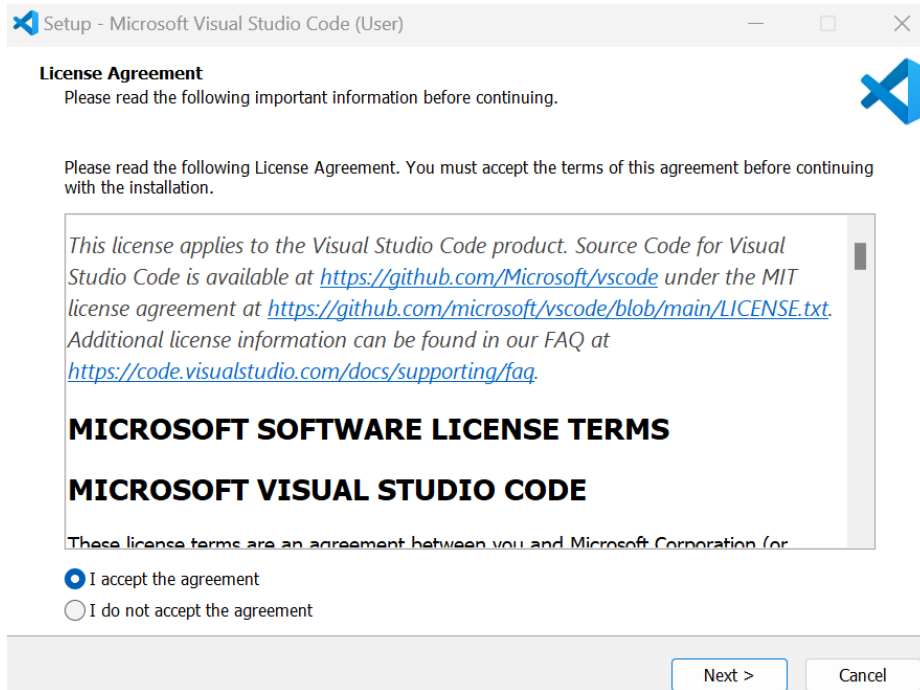
Step6: Create Database using SYSADMIN role “DBT_DEMO” (Create or Replace database DBT_DEMO).

VS code setup:

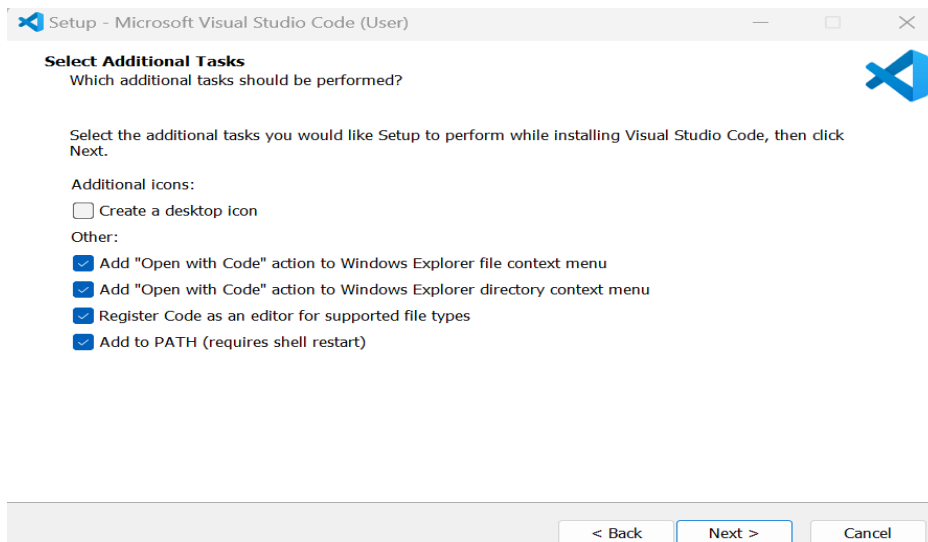
Link: [Documentation for Visual Studio Code](#)

Step1: Open downloaded installer file

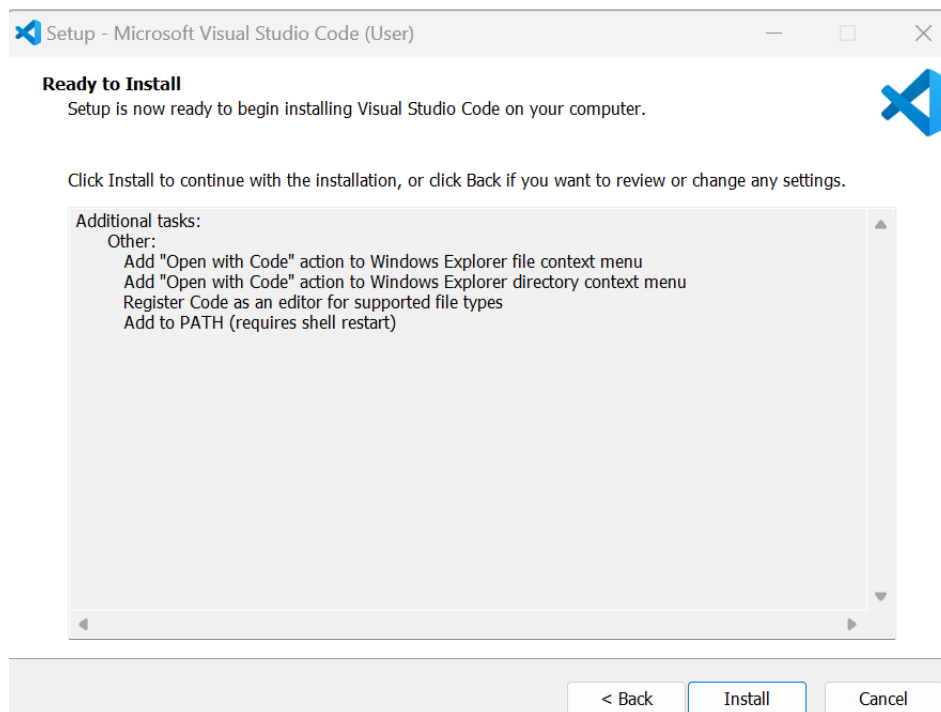
Step2: Select I accept the agreement and check Next



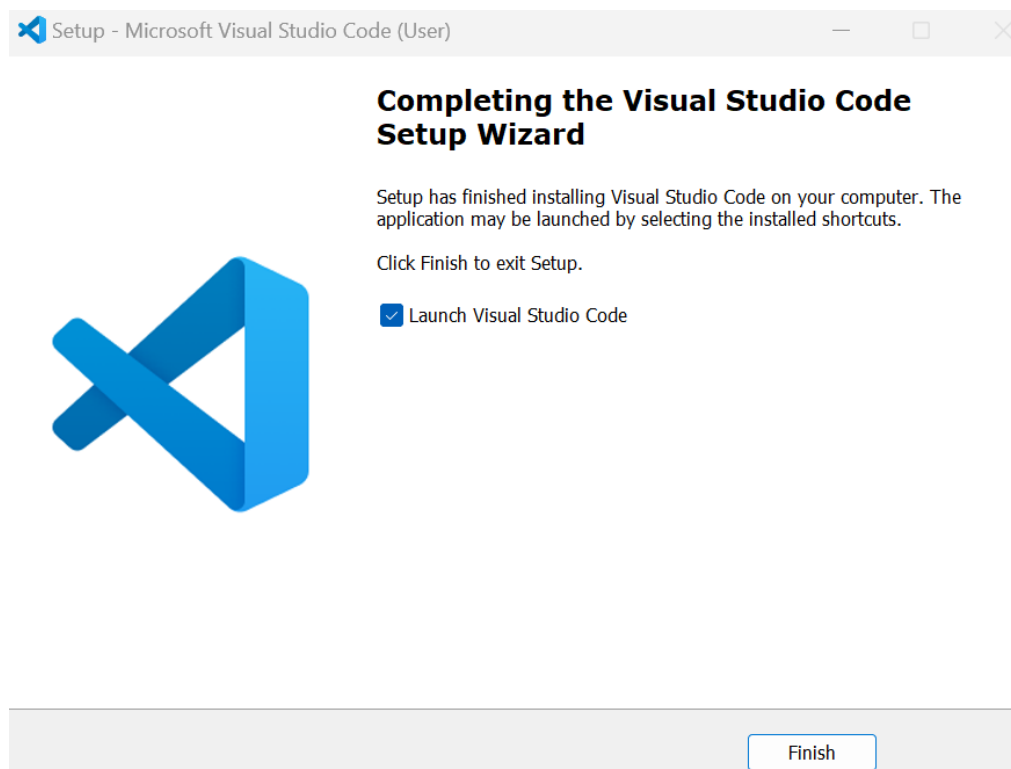
Step3: click Next



Step4: click Install



Step5: click Finish.



DBT core set-up script:

Step1: Open command prompt and change current directory to “dbt_demo”

```
cd C:\ dbt_demo
```

Step2: Install dbt-snowflake adapter

```
pip install dbt-Snowflake
```

Step3: Initialize the dbt project

```
dbt init
```

Step4: Enter a name for your project (letters, digits, underscore):

```
dbt_training
```

Step5: [1] snowflake

```
Enter a number: 1
```

go to accounts in snowflake and copy the below format and give in below command:

account (https://<this_value>.snowflakecomputing.com): Snowflake Account ID

user (dev username): UserName

[1] password

[2] keypair

[3] sso

Desired authentication type option (enter a number): 1

password (dev password): Password

role (dev role): SYSADMIN

warehouse (warehouse name): COMPUTE_WH

database (default database that dbt will build objects in): DBT_DEMO

schema (default schema that dbt will build objects in): PUBLIC

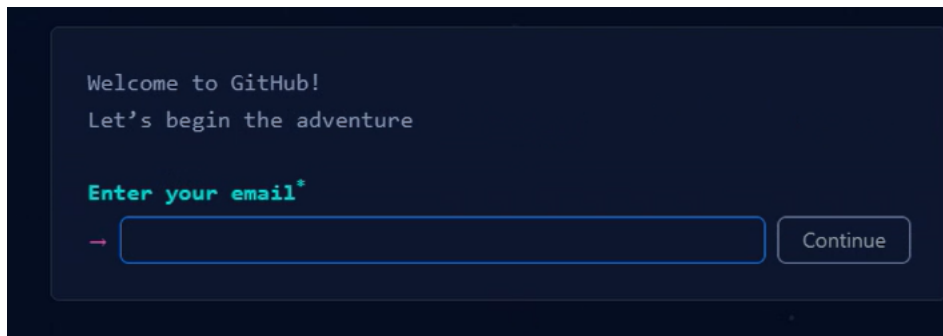
threads (1 or more) [1]: 4

GIT Integration:

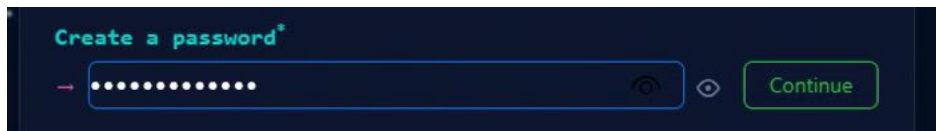
Github set-up:

Step1: To create git account click on link: <https://github.com/>

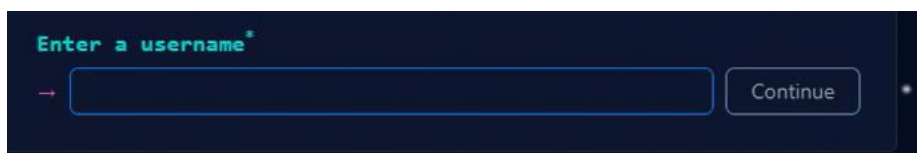
Step2: Provide the genpact email ID and click continue

A screenshot of the GitHub welcome screen. It has a dark blue background. The text "Welcome to GitHub!" and "Let's begin the adventure" is displayed in a light blue monospace font. Below this, the prompt "Enter your email*" is shown in a teal font. There is a text input field with a red arrow icon on the left, and a "Continue" button to its right.

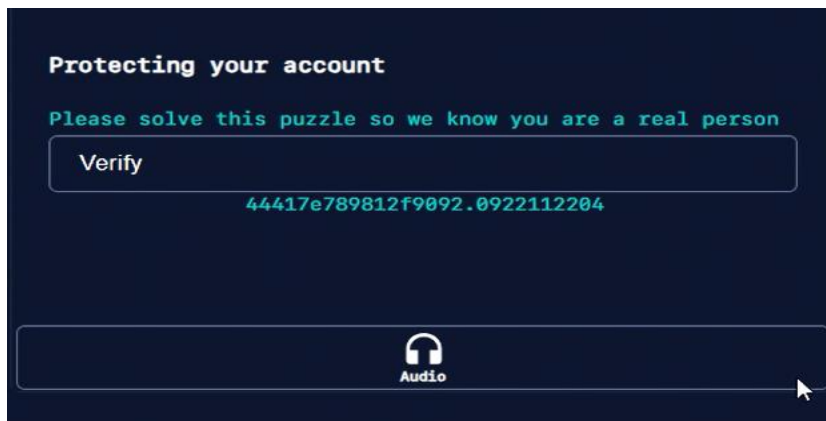
Step3: Create password and continue

A screenshot of the GitHub "Create a password*" screen. It has a dark blue background. The prompt "Create a password*" is in a teal font. Below it is a text input field with a red arrow icon on the left, filled with dots. To the right of the input field are two eye icons (one closed, one open) and a green "Continue" button.

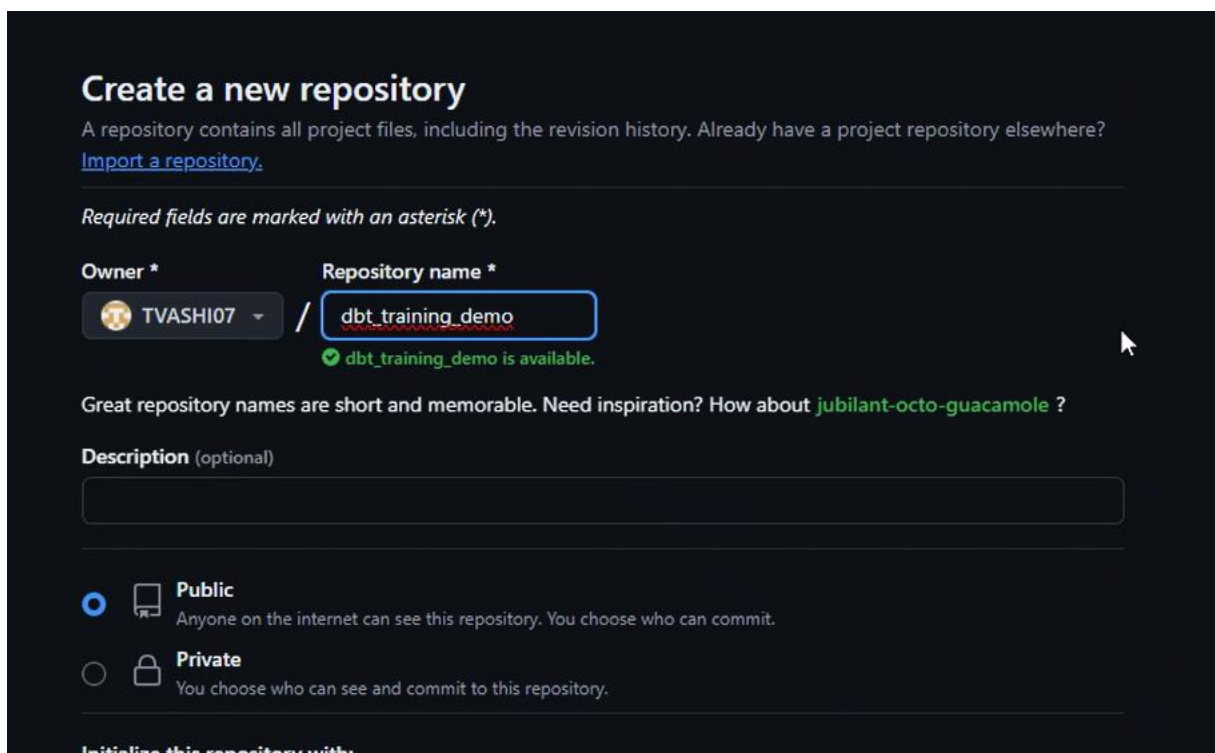
Step4: Enter username and continue

A screenshot of the GitHub "Enter a username*" screen. It has a dark blue background. The prompt "Enter a username*" is in a teal font. Below it is a text input field with a red arrow icon on the left, and a "Continue" button to its right.

Step5: Click on verify



step6: Create repository name: dbt_training_demo



Step7: Copy SSH key and HTTPS links for future reference

Step8: Download git bash cmd from <https://git-scm.com/downloads>

Step9: Install it in C:\dbt_demo path (where you installed python just make everything to be in one place)

Step10: Open gitbash CMD and execute the following command.

```
cd C:\dbt_demo\dbt_training
```

Step11: execute following command to clone github repository

```
git clone "HTTPS link"
```

Step12: Copy the entire files from dbt_training to dbt_training_demo in your drive.

Step13: Go to path dbt_training_demo

Step14: Execute the following command to commit changes.

```
git commit -m "comitting changes"
```

Step15: Execute following command to push your changes to main branch.

```
git push -u origin main
```

Step16: While pushing your changes to main branch, you'll be asked to sign in to github and authorize your account

DBT cloud set-up script:

Step1: Click on link: <https://www.getdbt.com/>

Step2: Click on "Try dbt cloud free"

Step3: Provide the required details

Step4: Select snowflake

Configure your development environment

Connection

If you'd like extra guidance, check out this [connection setup guide](#).



Step5: Provide account details "as same as dbt core"

Step6: Do test connection

In development, dbt will build your models into a schema with this name. This schema name should be unique to your personal development environment and should not be shared by other members of your team.

Target name

Threads

The number of threads to use for dbt operations.

SETUP
We finished preparing your test.

TESTING CONNECTION
We used dbt to validate your supplied connection settings.

COMPLETE
Your test completed successfully, you're good to go!

[Skip](#) [Save](#)

Step7: Setup repository: click on git clone and add ssh key which you copied while creating the GitHub account