Steps to Install `dbt-core` on Your System

To install `dbt-core` on your system, follow these steps:

1. Install Python

Ensure that Python is installed on your system. You can verify the installation by running:

```
sh
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python --version
```

If Python is not installed, download and install it from Python's official website.

2. Install VS Code (Optional but Recommended)

Download and install Visual Studio Code (VS Code) for better code editing and project management.

3. Create a Virtual Environment

It is recommended to create a virtual environment for dbt. Run the following command:

```
python -m venv dbt_virtual
```

This creates a virtual environment named `dbt_virtual`.

4. Activate the Virtual Environment

- **For Windows (Command Prompt):**

  ```
  .\dbt_virtual\Scripts\activate
  ```

5. Install `dbt-core`

Once the virtual environment is activated, install `dbt-core` using:

```
pip install dbt-core
```

6. Install `dbt-databricks` (or another adapter as needed)

If you are using Databricks, install the required adapter:

```
pip install dbt-databricks
```

For other data warehouses, use the appropriate adapter, e.g.,

- **BigQuery:** `pip install dbt-bigquery`
- **Snowflake:** `pip install dbt-snowflake`
- **PostgreSQL:** `pip install dbt-postgres`

7. Create a `.dbt` Configuration Folder

Run the following command to create the `.dbt` folder in your home directory:

- **Windows (PowerShell):**

  ```
  mkdir $HOME\.dbt
  ```

To create a new dbt project, run:

```
dbt init my_dbt_project
```

Replace `my_dbt_project` with your preferred project name.

Next Steps

- Configure the `profiles.yml` file inside the `.dbt` folder to connect dbt to your database.
- Run `dbt debug` to ensure your setup is correct.
- Start developing models and running dbt commands like `dbt run` and `dbt test`.