🧠 Volatility 2 Installation Guide (Kali Linux)

⚠️ Volatility 2 **only works with Python 2.7**, which is deprecated — so we'll use a **virtual environment** to avoid breaking your system.

🔧 Step 1: Install Python 2 and Required Tools

Open your terminal and run:

```
sudo apt update
sudo apt install python2 python2-dev curl git -y
```

🔧 Step 2: Install pip2 (for Python 2)

```
curl https://bootstrap.pypa.io/pip/2.7/get-pip.py -o get-pip.py
sudo python2 get-pip.py
```

🔧 Step 3: Install compatible `virtualenv` for Python 2

```
sudo pip2 install virtualenv==16.7.9
```

🧪 Step 4: Create a Python 2 Virtual Environment

```
cd ~/Downloads
python2 -m virtualenv vol-env
```

🚀 Step 5: Activate the Virtual Environment

```
source vol-env/bin/activate
```

You'll now see your prompt change like this:

```
(vol-env) root@kali:~/Downloads#
```

📦 Step 6: Clone Volatility 2

```
git clone https://github.com/volatilityfoundation/volatility.git
cd volatility
```

⚒ Step 7: Install Volatility in the Virtualenv

```
python2 setup.py install
```

This will install Volatility into your Python 2 virtual environment.

✅ Step 8: Install Required Python Modules

Inside the virtualenv, run:

```
pip2 install pycryptodome distorm3
```

This solves the following errors:

- ```
  No module named Crypto.Hash
  ```
- ```
  NameError: name 'distorm3' is not defined
  ```

🧪 Step 9: Test Volatility

✔ List plugins and profiles:

```
python vol.py --info
```

✔ Or test version:

```
python vol.py -h
```

You should see:

```
Volatility Foundation Volatility Framework 2.6.1
Usage: Volatility - A memory forensics analysis platform.
```

💎 Step 10: Exit Virtual Environment

When you're done:

deactivate