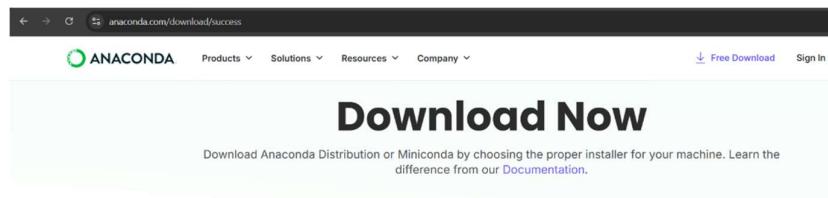


Practical-1

**Understanding Python environment Setup: Installing python with anaconda,
Introduction to various Python IDEs like IDLE, Jupyter notebook, PyCharm , spyder.**

1. Download and installation of Anaconda



Distribution Installers

Download
For installation assistance, refer to [troubleshooting](#).

Windows

Python 3.13
↳ 64-Bit Graphical Installer (914M)

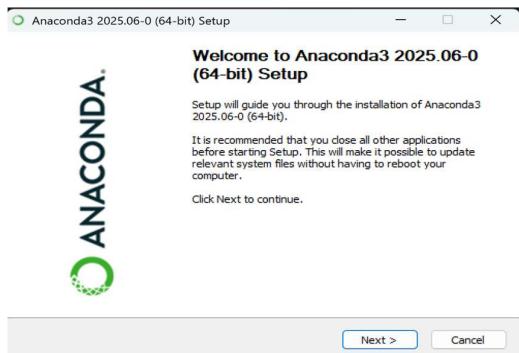
Miniconda Installers

Download
For installation assistance, refer to [troubleshooting](#).

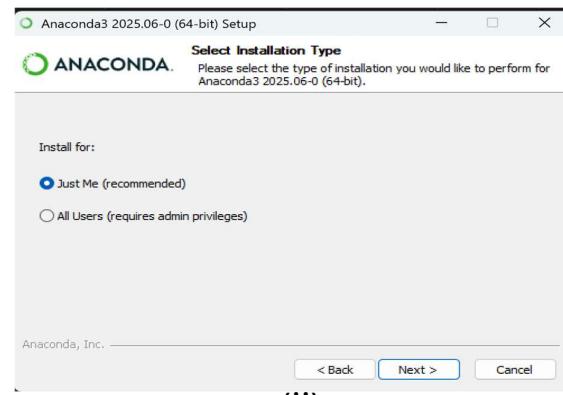
Windows

Mac

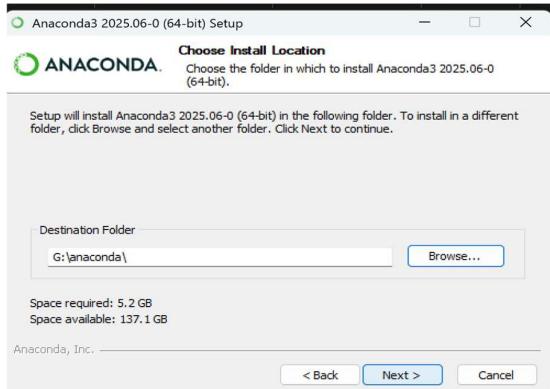
Select the type of installation, location and click install.



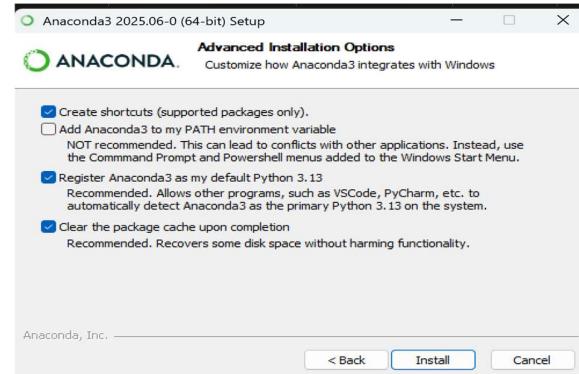
(i)



(ii)

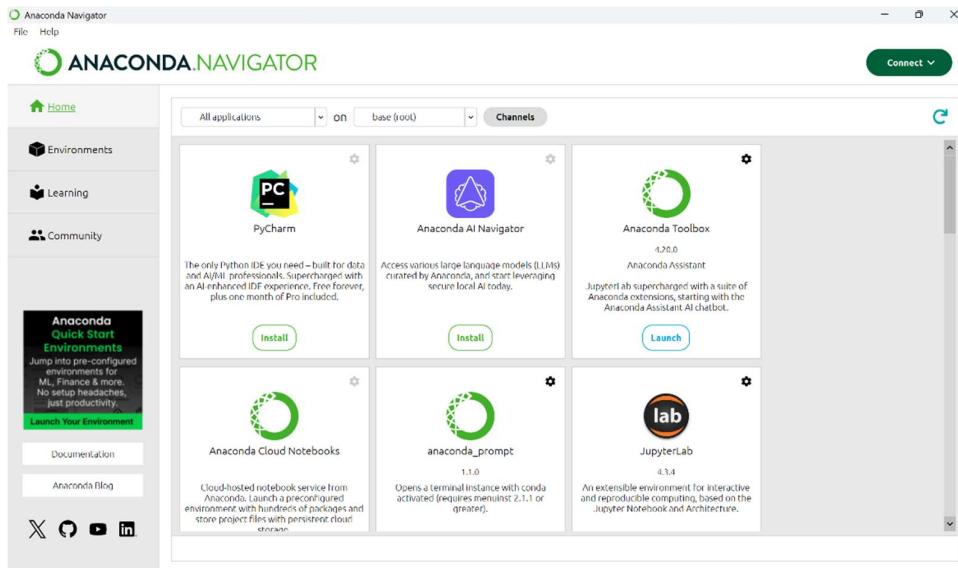


(iii)

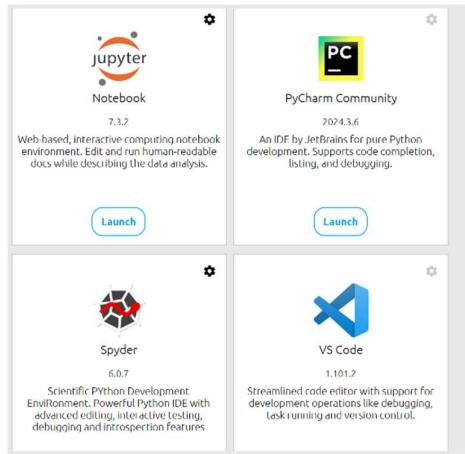


(iv)

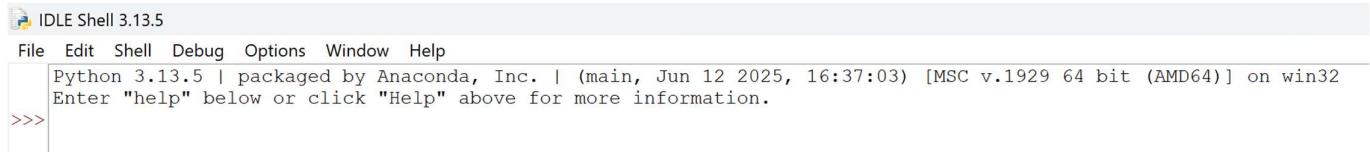
2. Anaconda Navigator interface



3). IDE provided in Anaconda

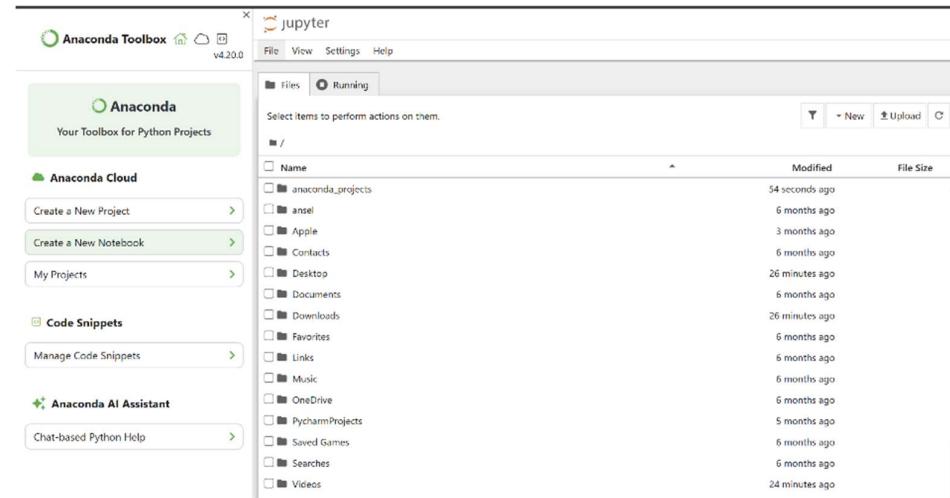


4). Python's OWN IDLE Shell



5). Interface of different IDE's

i. Jupyter notebook



```

1 a = 2
2 b = 3
3
4 if a > b:
5     print("a is greater")
6 elif a < b:
7     print("a is lesser")
8 else:
9     print("Both are equal")
10
11 for i in range(10):
12     if i == 5:
13         continue
14     print(i)
15 else:
16     print("Finish")
17
18 def greet(name):
19     print("Hello", name)
20
21 greet("Kathan")
22
23

```

ii. Spyder

```

1 a = 2
2 b = 3
3
4 if a > b:
5     print("a is greater")
6 elif a < b:
7     print("a is lesser")
8 else:
9     print("Both are equal")
10
11 for i in range(10):
12     if i == 5:
13         continue
14     print(i)
15 else:
16     print("Finish")
17
18
19
20 def greet(name):
21     print("Hello",name)
22
23 greet("Kathan")

```

Console 1/A

Python 3.13.5 | packaged by Anaconda, Inc. | (main, Jun 12 2025, 16:37:03) [MSC v. 1929 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

IPython 8.30.0 -- An enhanced Interactive Python. Type '?' for help.

In [1]: %runfile C:/Users/Dell/.spyder.py3/practice.py --wdir

a is lesser
0
1
2
3
4
6
7
8
9
Finish
Hello Kathan

IPython Console History

▼ ▲ Inline Conda: anaconda (Python 3.13.5) LSP: Python Line 14, Col 1 UTF-8 CRLF RW Mem 85%

iii. Pycharm

```

1 a,b = 2,3
2 if a > b:
3     print("a is greater")
4 elif a < b:
5     print("a is lesser")
6 else:
7     print("Both are equal")
8
9 for i in range(10):
10    if i == 5:
11        continue
12    print(i)
13 else:
14    print("Finish")
15
16 def greet(name):
17     print("Hello",name)
18
19 greet("Kathan")

```