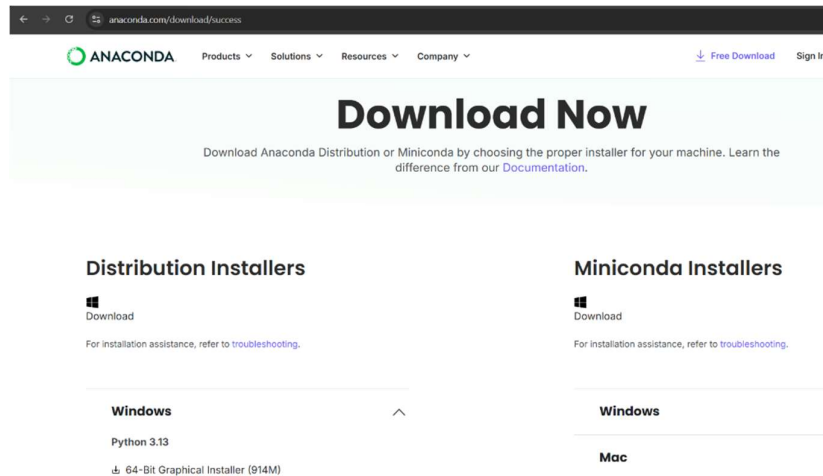


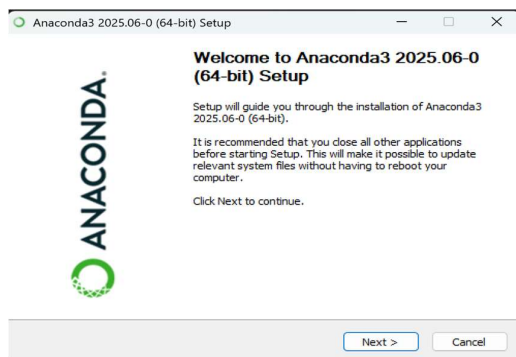
# Practical-1

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

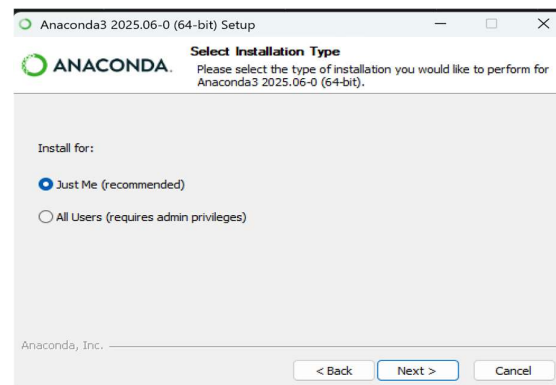
## 1. Download and installation of Anaconda



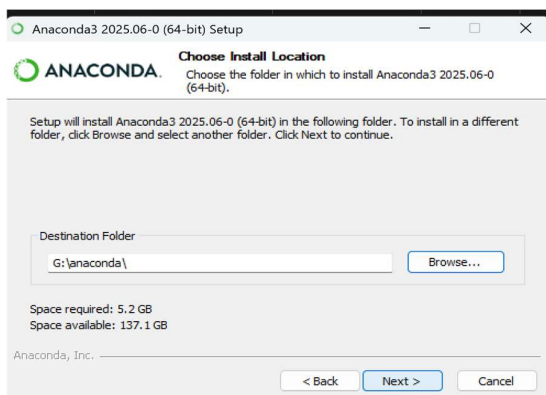
Select the type of installation, location and click install.



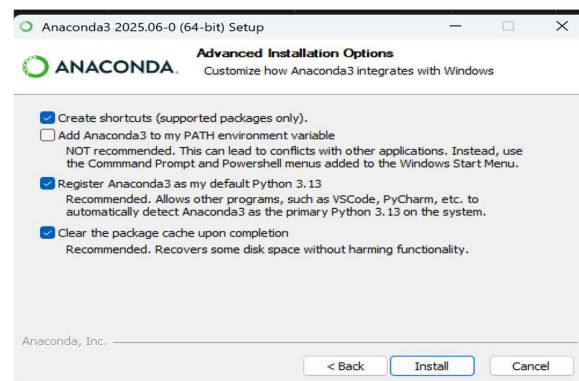
(i)



(ii)

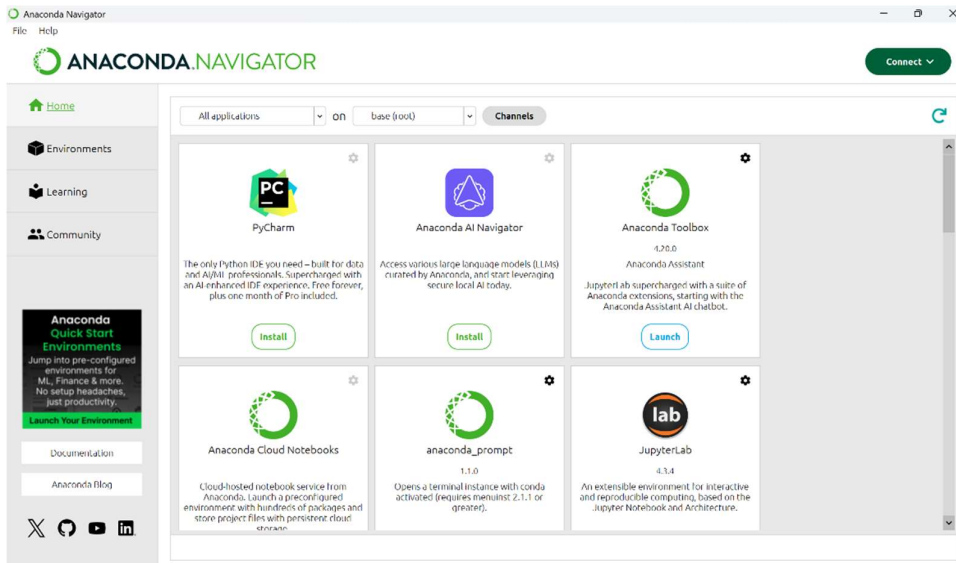


(iii)

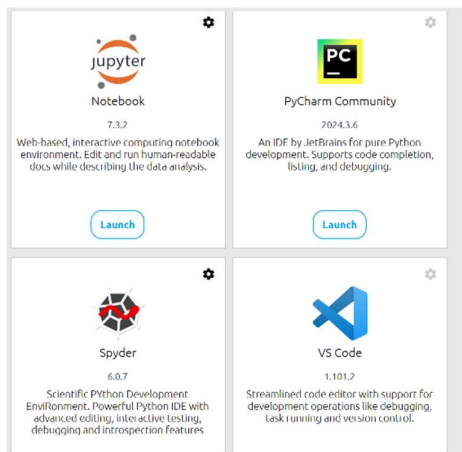


(iv)

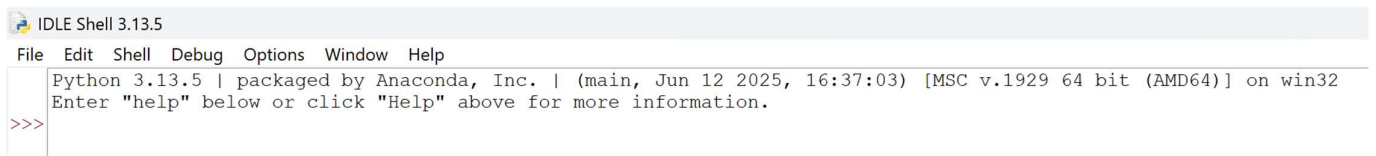
## 2. Anaconda Navigator interface



## 3). IDE provided in Anaconda

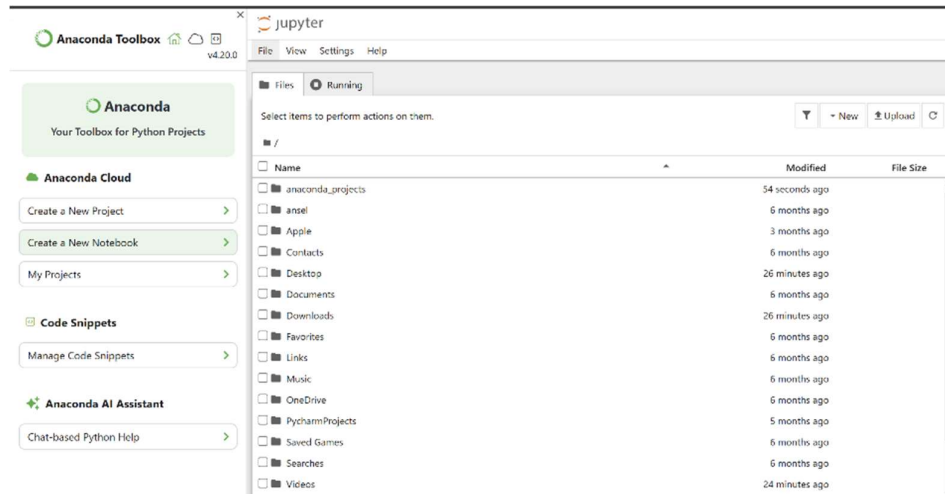


## 4). Python's OWN IDLE Shell



## 5). Interface of different IDE's

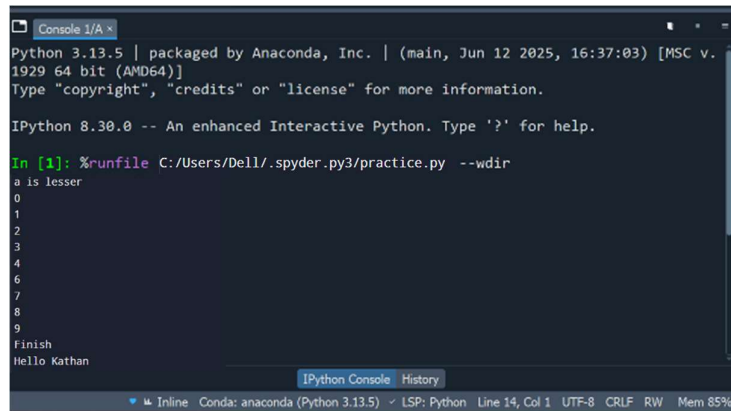
### i. Jupyter notebook



```
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")
```



```
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
5
6
7
8
9
Finish
Hello Kathan
```

## 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")
```