

Strings

▪ Creating a String

You can create a string by enclosing text in single ' or double quotes ". For example:
`my_string = "Hello, World!"`

▪ Accessing Characters in the String

You can access individual characters in a string using indexing. Indexing starts from 0. For example:

```
print(my_string[0]) # Output: H
```

▪ Removing Space from a String

You can remove spaces from a string using the `replace()` method or by using string slicing. For example:

```
my_string = " Hello, World! "  
trimmed_string = my_string.strip() # Removes leading and trailing spaces  
print(trimmed_string) # Output: "Hello, World!"
```

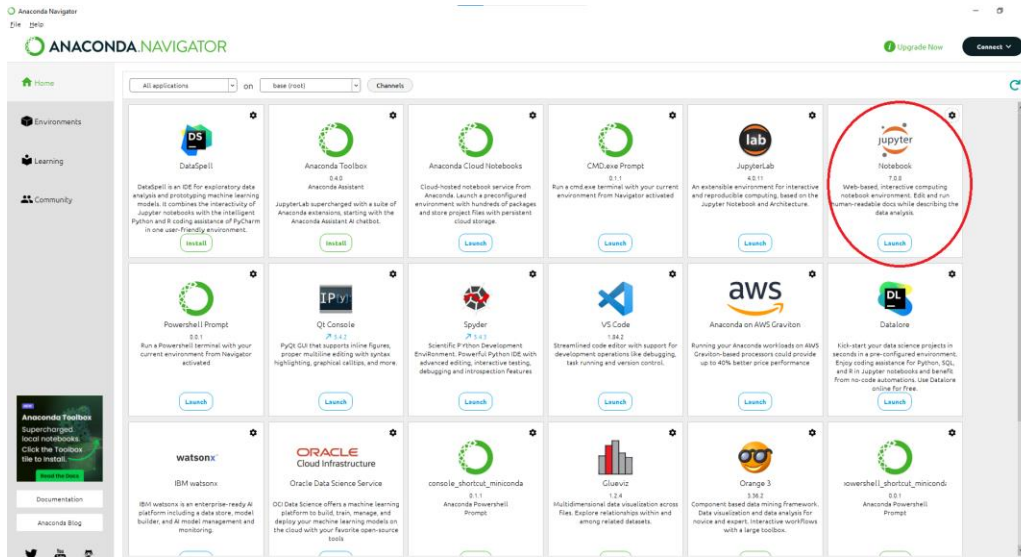
▪ Python String Methods

Python provides many built-in methods to manipulate strings. Some common methods include `lower()`, `upper()`, `split()`, `join()`, `find()`, `replace()`, etc.

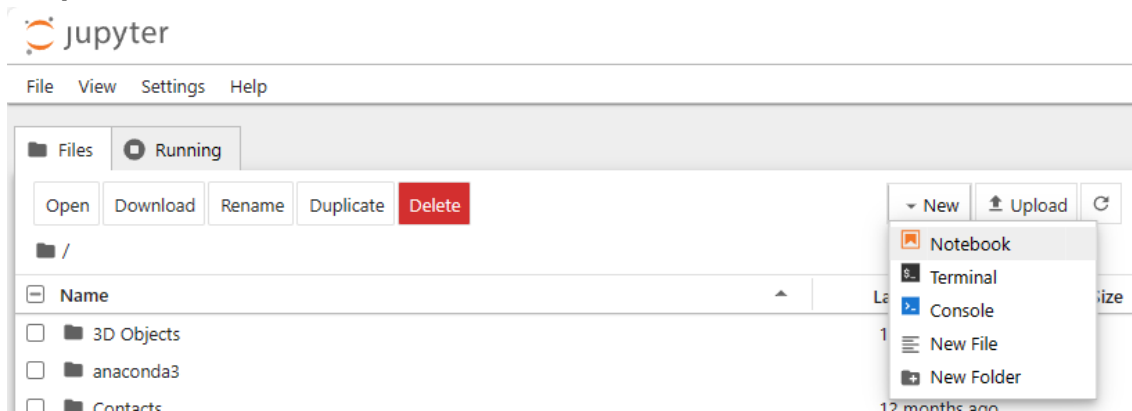
Python and jupyter notebook

• Launch Jupyter Notebook

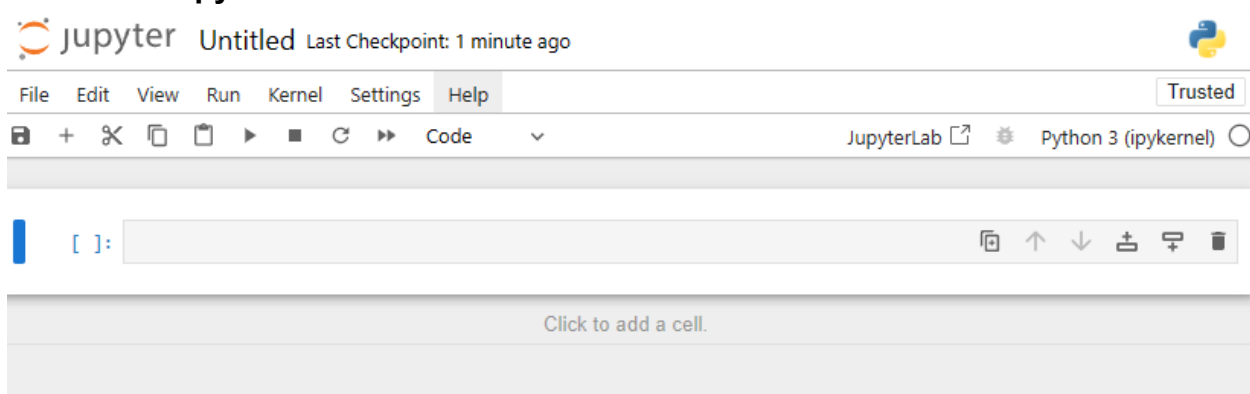
```
(base) C:\Users\Eeetam>jupyter notebook  
[I 2024-04-29 09:13:31.361 ServerApp] Package notebook took 0.0000s to import  
[I 2024-04-29 09:13:31.381 ServerApp] Package jupyter_lsp took 0.0200s to import  
[W 2024-04-29 09:13:31.381 ServerApp] A `'_jupyter_server_extension_points'` function was not found in jupyter_...  
d, a `'_jupyter_server_extension_paths'` function was found and will be used for now. This function name will b...  
d in future releases of Jupyter Server.  
[I 2024-04-29 09:13:31.393 ServerApp] Package jupyter_server_terminals took 0.0108s to import  
[I 2024-04-29 09:13:31.393 ServerApp] Package jupyterlab took 0.0000s to import  
[I 2024-04-29 09:13:31.451 ServerApp] Package notebook_shim took 0.0000s to import  
[W 2024-04-29 09:13:31.451 ServerApp] A `'_jupyter_server_extension_points'` function was not found in notebook...  
ad, a `'_jupyter_server_extension_paths'` function was found and will be used for now. This function name will...  
ted in future releases of Jupyter Server.  
[I 2024-04-29 09:13:32.175 ServerApp] Package panel.io.jupyter_server_extension took 0.7223s to import  
[I 2024-04-29 09:13:32.176 ServerApp] jupyter_lsp | extension was successfully linked.  
[I 2024-04-29 09:13:32.180 ServerApp] jupyter_server_terminals | extension was successfully linked.  
[I 2024-04-29 09:13:32.185 ServerApp] jupyterlab | extension was successfully linked.  
[I 2024-04-29 09:13:32.189 ServerApp] notebook | extension was successfully linked.  
[I 2024-04-29 09:13:32.524 ServerApp] notebook_shim | extension was successfully linked.  
[I 2024-04-29 09:13:32.524 ServerApp] panel.io.jupyter_server_extension | extension was successfully linked.  
[I 2024-04-29 09:13:32.559 ServerApp] notebook_shim | extension was successfully loaded.  
[I 2024-04-29 09:13:32.561 ServerApp] jupyter_lsp | extension was successfully loaded.  
[I 2024-04-29 09:13:32.562 ServerApp] jupyter_server_terminals | extension was successfully loaded.  
[I 2024-04-29 09:13:32.565 LabApp] JupyterLab extension loaded from C:\Users\Eeetam\anaconda3\Lib\site-packag...  
ab  
[I 2024-04-29 09:13:32.570 LabApp] JupyterLab application directory is C:\Users\Eeetam\anaconda3\share\jupyter...  
[I 2024-04-29 09:13:32.570 LabApp] Extension Manager is 'pypi'.  
[I 2024-04-29 09:13:32.572 ServerApp] jupyterlab | extension was successfully loaded.  
[I 2024-04-29 09:13:32.577 ServerApp] notebook | extension was successfully loaded.  
[I 2024-04-29 09:13:32.578 ServerApp] panel.io.jupyter_server_extension | extension was successfully loaded.
```



• Open a notebook file



• Launch Jupyter Notebook



- **Start writing a Jupyter Notebook**

