

# Hello Jupyter Notebook

## Installing jupyter

My system has Python 3.7.4 installed under Windows 10. I followed the directions for [Installing Jupyter Notebook \(https://test-jupyter.readthedocs.io/en/latest/install.html\)](https://test-jupyter.readthedocs.io/en/latest/install.html) via command line:

- `pip install jupyter`

Then running via command line:

- `jupyter notebook`

Jupyter Notebook then lauched successfully. Next: [Running the Notebook \(https://test-jupyter.readthedocs.io/en/latest/running.html#running\)](https://test-jupyter.readthedocs.io/en/latest/running.html#running).

## Running the notebook

I created this *HelloJupyterNotebook* page and then loaded the *x3d* package into Python as follows.

## Loading x3d package

In [3]:

```
import x3d
```

x3d package loaded, have fun with X3D Graphics!

Since the *x3d.py* package is experimental, successful loading is confirmed by the message above.

## Creating an X3D model

In [26]:

```
import x3d

newModel = x3d.X3D(
    head=x3d.head(children=[
        x3d.component(name='Core', level=2),
        x3d.unit(),
        x3d.meta(name='title', content='HelloJupyterNotebook.py')]),
    Scene=x3d.Scene(children=[
        x3d.WorldInfo(),
        x3d.Group()])))
```

## Showing an error

Here is an intentional error forcing a Python `TypeError`, thus showing that the notebook is active.

In [13]:

```
newModel + 2;
```

```
-----
TypeError                                 Traceback (most recent call)
<ipython-input-13-eaf770075e07> in <module>
----> 1 newModel + 2;
```

```
TypeError: unsupported operand type(s) for +: 'X3D' and 'int'
```

< [ ] >

In [ ]: