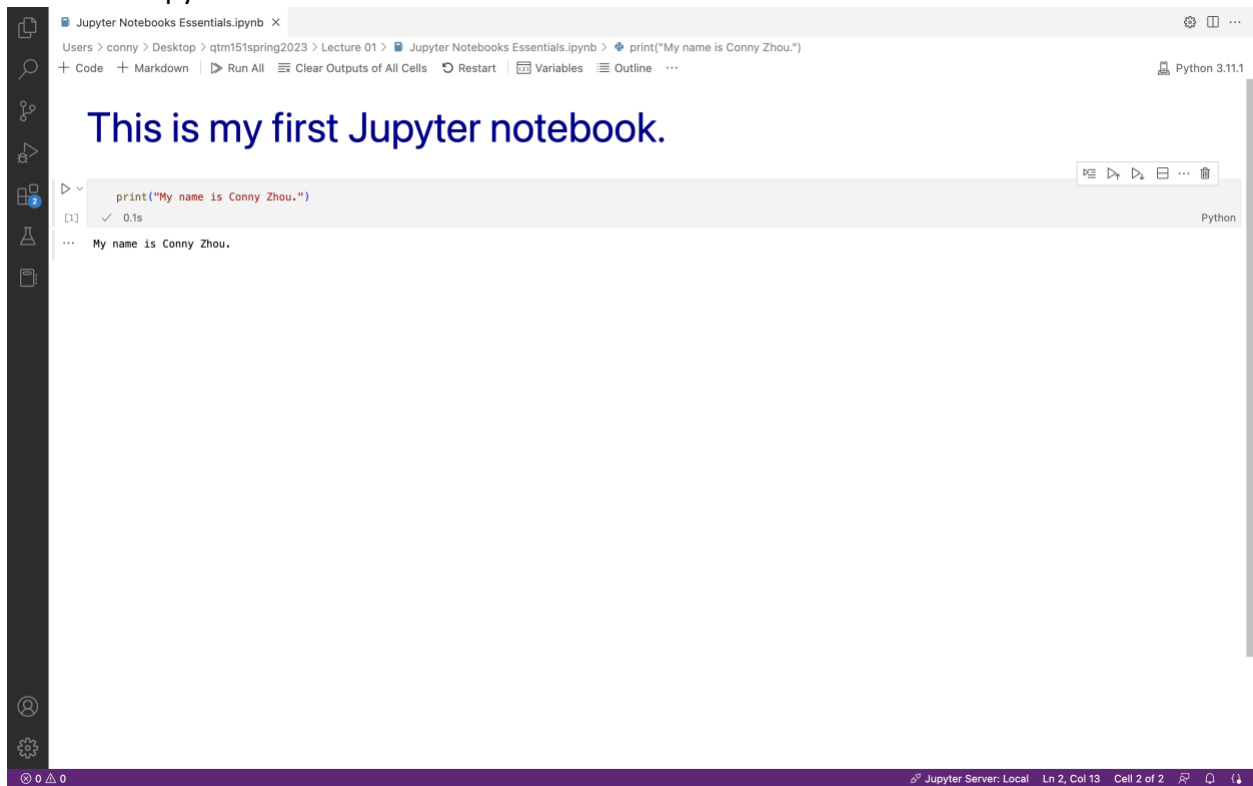


## Assignment 1:

### Picture 1: Jupyter Notebook Screenshot



## Picture 2: Make a commit in Github

The screenshot displays the GitHub web interface for a repository named 'qt151spring2023'. The current branch is 'main'. The page shows a commit titled 'Assignment 1' by Junyi Zhou, with 5 changed files. The commit message is 'Assignment 1'. The files changed are:

- DS\_Store
- Computing Setup/DS\_Store
- Lecture 01/DS\_Store
- Lecture 01/Jupyter... Essentials.ipynb
- Le.../Lecture1 (personal notes).ipynb

The right side of the interface shows the diff for the selected file, 'Le.../Lecture1 (personal notes).ipynb'. The diff shows changes to the JSON structure of the notebook cell, including the 'cell\_type' and 'source' fields. The source code is a Python script that demonstrates the basic structure for running Python, including comments and a simple function definition.

```
1 +{
2 + "cells": [
3 + {
4 +   "attachments": {},
5 +   "cell_type": "markdown",
6 +   "metadata": {},
7 +   "source": [
8 +     "# <span style='color:darkblue'> Lecture 1: Introduction to Jupyter Notebooks </span>"
9 +   ],
10 + },
11 + {
12 +   "attachments": {},
13 +   "cell_type": "markdown",
14 +   "metadata": {},
15 +   "source": [
16 +     "<font size='5'> \n",
17 +     "\n",
18 +     "The basic structure for running Python\n",
19 +     "\n",
20 +     "<img src='figures/project_flow.png' alt='drawing' width='650'>\n",
21 +     "\n",
22 +     "Python is a general purpose language\n",
23 +     "Researchers and practitioners add new functionalities all the time\n",
24 +     "New features are included as libraries on top of the 'base' installation.\n",
25 +     "\n",
26 +     "***"
27 +   ],
28 + },
29 + {
30 +   "attachments": {},
31 +   "cell_type": "markdown",
32 +   "metadata": {},
33 +   "source": [
34 +     "\n",
35 +     "# <span style='color:darkblue'> STEP 0: Preliminaries </span>\n",
36 +     "\n",
37 +     "<font size='5'> \n",
```