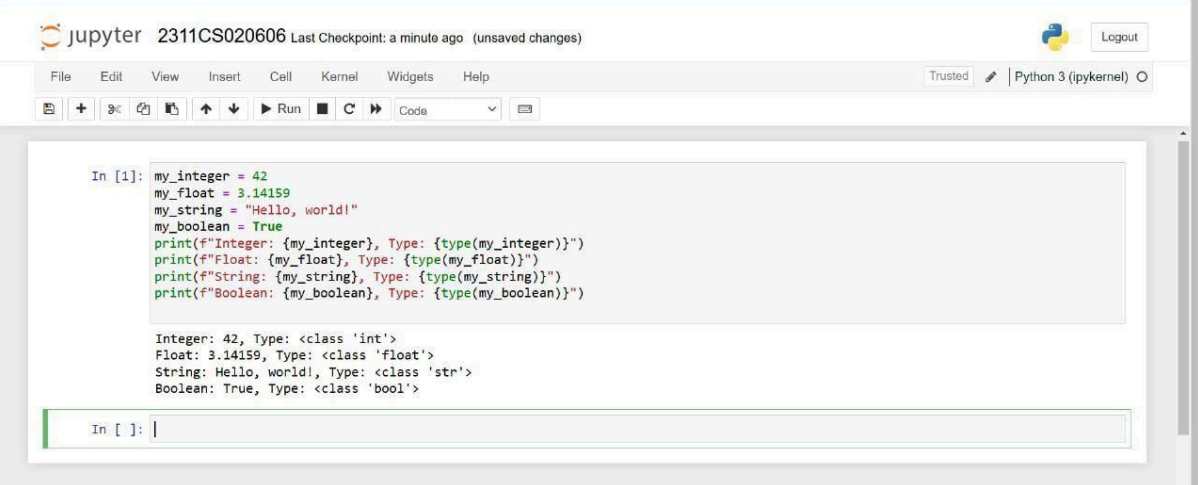


1. Write a program in Jupyter Notebook to declare variables of different data types (integer, float, string, and boolean). Print each variable and its type.



The screenshot shows a Jupyter Notebook interface. At the top, the header includes the Jupyter logo, the username '2311CS020606', and the status 'Last Checkpoint: a minute ago (unsaved changes)'. There is a 'Logout' button on the right. Below the header is a menu bar with 'File', 'Edit', 'View', 'Insert', 'Cell', 'Kernel', 'Widgets', and 'Help'. A toolbar with various icons for file operations and execution is located below the menu bar. The main area contains a code cell with the following Python code:

```
In [1]: my_integer = 42
        my_float = 3.14159
        my_string = "Hello, world!"
        my_boolean = True
        print(f"Integer: {my_integer}, Type: {type(my_integer)}")
        print(f"Float: {my_float}, Type: {type(my_float)}")
        print(f"String: {my_string}, Type: {type(my_string)}")
        print(f"Boolean: {my_boolean}, Type: {type(my_boolean)}")
```

The output of the code is displayed below the code cell:

```
Integer: 42, Type: <class 'int'>
Float: 3.14159, Type: <class 'float'>
String: Hello, world!, Type: <class 'str'>
Boolean: True, Type: <class 'bool'>
```

At the bottom, there is an input prompt 'In []: |' for the next cell.