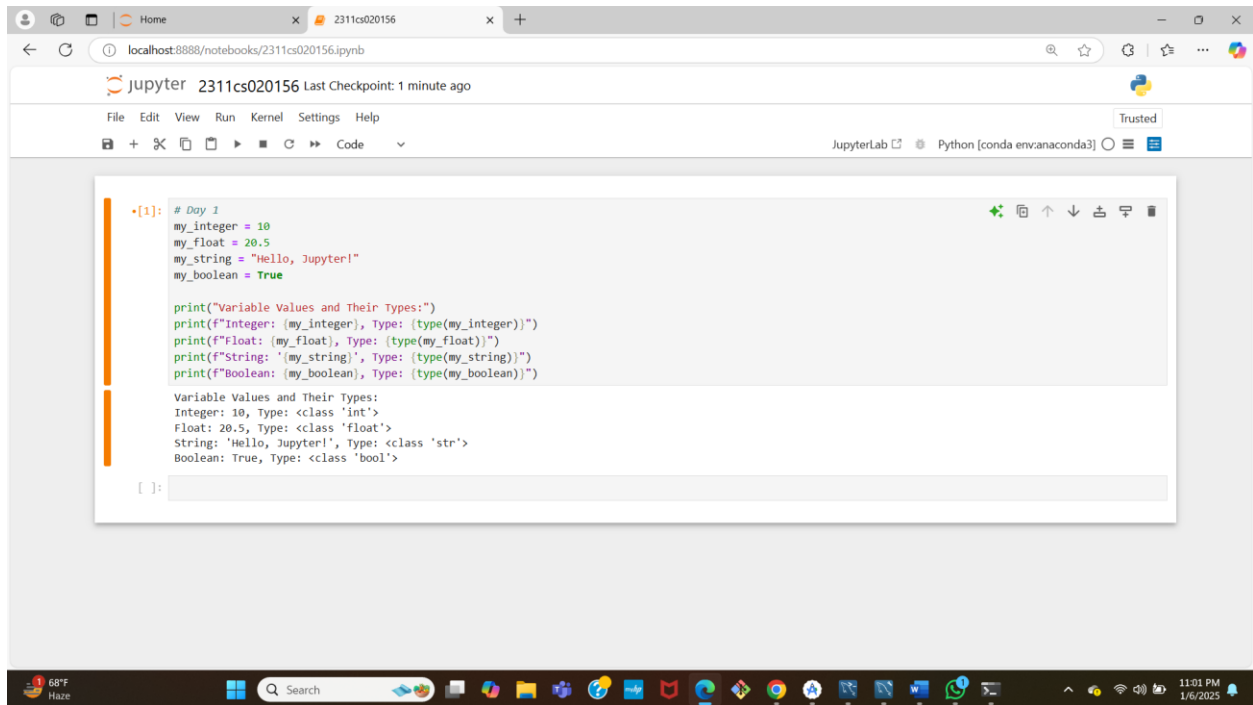


DAY 1

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 in a web browser. The browser address bar shows the URL `localhost:8888/notebooks/2311cs020156.ipynb`. The Jupyter Notebook header shows the name `2311cs020156` and the last checkpoint time `Last Checkpoint: 1 minute ago`. The notebook has a menu bar with `File`, `Edit`, `View`, `Run`, `Kernel`, `Settings`, and `Help`. The toolbar includes icons for `File`, `Edit`, `View`, `Run`, `Kernel`, `Settings`, and `Help`. The notebook content area shows a code cell with the following code:

```
[1]: # Day 1
my_integer = 10
my_float = 20.5
my_string = "Hello, Jupyter!"
my_boolean = True

print("Variable Values and Their Types:")
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 cell is:

```
Variable Values and Their Types:
Integer: 10, Type: <class 'int'>
Float: 20.5, Type: <class 'float'>
String: 'Hello, Jupyter!', Type: <class 'str'>
Boolean: True, Type: <class 'bool'>
```

The Jupyter Notebook interface also shows a status bar at the bottom with the temperature `68°F`, the weather `Haze`, and the time `11:01 PM 1/6/2025`.