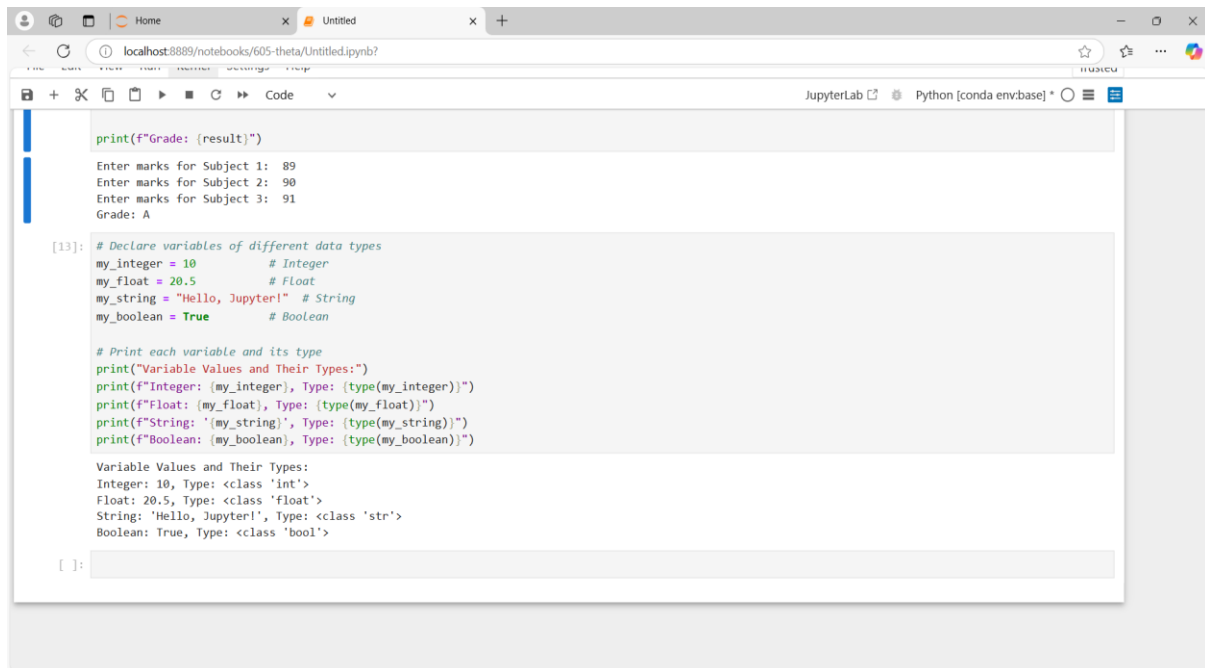


1. Jupyter Notebook and Data Types

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 'localhost:8889/notebooks/605-theta/Untitled.ipynb?'. The notebook has a toolbar with icons for file operations, running, and code execution. The code cell contains the following Python code:

```
print(f"Grade: {result}")  
  
Enter marks for Subject 1: 89  
Enter marks for Subject 2: 90  
Enter marks for Subject 3: 91  
Grade: A  
  
[13]: # Declare variables of different data types  
my_integer = 10          # Integer  
my_float = 20.5          # Float  
my_string = "Hello, Jupyter!" # String  
my_boolean = True        # Boolean  
  
# Print each variable and its type  
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)}")  
  
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'>  
  
[ ]:
```