

MACHINE LEARNING (CS 601)

**Lab Report Submitted to
Indian Institute of Information Technology Surat
for**



**Bachelor of Technology
In
Computer Science and Engineering Department
Electronics and Communication Engineering**

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Assignment 1:

1. Goto the webpage <https://www.learnpython.org/>
2. Complete all the exercises.
3. Write clean, well-commented codes.
4. Submit the codes in a PDF containing the output screenshots.

Solution:



The screenshot shows a Jupyter Notebook window titled "ML Assign 1 - UI22CS03.ipynb". The interface includes a menu bar with "File", "Edit", "View", "Insert", "Runtime", "Tools", and "Help", along with a status bar indicating "All changes saved". On the left sidebar, there are icons for a menu, search, and a variable "[x]". The main area displays a code cell with the label "Ex 1- Hello, World!". The code cell contains the following Python code:

```
[2] print("This line is printed by Aditya.")
```

The code is highlighted in orange. Below the code cell, the output is displayed as "This line is printed by Aditya." with a green checkmark and "0s" indicating successful execution.

Ex 2 - Variables_and_Types

```
[3] mystring = "hello"
    myfloat = 10.0
    myint = 20

    # testing code
    if mystring == "hello":
        print("String: %s" % mystring)
    if isinstance(myfloat, float) and myfloat == 10.0:
        print("Float: %f" % myfloat)
    if isinstance(myint, int) and myint == 20:
        print("Integer: %d" % myint)
```

```
⇒ String: hello
   Float: 10.000000
   Integer: 20
```

Exercise
