

Name: _____

Total Marks :10

Roll No. :

Instructions:

- Take the screen shots of all your tasks and their outputs and make a single pdf file.
- Upload the single file in pdf format on google classroom.

Lab Task 1:
Prepare the code of the following three output on Jupyter notebook using markdown

Chapter 3

Conditional execution

3.1 Boolean expressions

A *boolean expression* is an expression that is either true or false. The following examples use the operator `==`, which compares two operands and produces `True` if they are equal and `False` otherwise:

Lists of astronomical objects

1. Moon, Minos and Ida, an asteroid with its own moon.
2. Comet Lovejoy and Jupiter, a giant gas planet.
3. The Sun, Sirius A with Sirius B, a white dwarf, the Crab Nebula, a remnant supernova.
4. A black hole (artist concept), Vela Pulsar a rotating neutron star.
5. M80, a globular cluster, and the Pleiades, an open star cluster.

Galaxy groups and clusters

- List of galaxy groups
- List of galaxy clusters
 - List of Abell clusters
- List of galaxy superclusters

Black holes

- Lists of black holes
 - List of black holes
 - List of most massive black holes
 - List of nearest black holes