**Python Basics to advance**

|  |
| --- |
| **Instructions** |
| 1. Make a word document paste your code and output there. 2. You also have to submit .py file. In case using online interpreter, just word document is enough. 3. Comments in the code explaining chunks of the code is important. 4. Plagiarism is strictly prohibited, 0 mark would be given to students who cheat. |

**Objectives:**

 In this Lab we will study and implement basic algorithms of Python  We will familiarize ourselves from basic to advance constructs of Python

**Lab Tasks:**

**Task 01:**

My poem must have a meter And it also has to rhyme,

It's due tomorrow morning… How I wish I had more time!

I do not think that I can write

A poem the way I should —

But look…this is a poem right here, And it is pretty good.

Print above statements in the specified format.

**Task 02**

Write a program for a cinema hall

Where a person come to book a ticket, Ask him if he wants to watch Hollywood, Bollywood or Lollywood, After selecting from these choices, show him the respective movies(at least three chioces) as he selects movies from these choices show him the statement that your ticket is book for “movie\_name” movie.

**Task 03:**

There is cleaning robot named ”SAXON”, It is going to clean room and pool. It will clean the room by calculating its area and pool by calculating its volume.

Take the values from user for specified inputs

Create a class Saxon and two functions Room and Pool. In each function it will ask the corresponding input values from user to calculate its area and volume. And then display on the screen that I am going to clean Room with “ ” area and Pool with “ ” volume.

**Online Interpreter** <https://www.programiz.com/python-programming/online-compiler/>