

# Lab 1: Python Basics

**Due Date: 6 December 2024**

## Submission Instructions:

You are not allowed to submit a soft copy of the lab report. The lab report should include the following sections: Background/Theory, Implementation, Output(s), Conclusion, and Discussion. The Conclusion and Discussion sections must contain a minimum of 40 words each.

**Note:** This lab work will contribute **10%** towards the final internal marks in the internal practical category for the course.

## Questions

1. Write a program that check whether the given number is odd or even.
2. Write a program to calculate the compound interest. Write a program to check if a given number is divisible by both 3 and 7.
3. Write a program that calculates the perimeter of a rectangle. The length and breadth should be provided by the user.
4. Write a program that checks if a given year is a leap year or not.
5. Write a program that takes a number as input and prints its absolute value.