

Module Code CIT110

Module Title: Object-Oriented Approach to Programming

Date: 10th July 2024

Practical 1

Objectives:

The objective of this practical is to get familiar with the object-oriented programming environment of Python.

Python is a general-purpose object-oriented language. That means Python treats everything as objects. An object is a software unit containing a set of data and functions that operate on those data.

Practical 1

You have to submit all your workings to LMS (Submission Link is provided) and also submit a copy of the same to the Centre where you do the practical.

Delete all error messages copy your answers to a Word file and save it as a .pdf file. The name of the file should be as follows.

Module Code Registration number Pra1.pdf

Eg. CIT110 23DA2 - xxxx Pra1.pdf

You may discuss things with your friends, but do not copy. Copying will be a disqualification and you will not get marks. For late submission, 5% from the marks will be deducted for each delayed day.

Time Allocated: As Indicated in the LMS

Practical 1:

Using object-oriented methodology, create a Python application that allows a person to manage his monthly budget by entering deposits, withdrawals, money transfers, bill payments, and tax payments, and display detailed information about his income, expenses, and balance. A sample output is as follows. You may add more to make it realistic.

Monthly Budget Summary:

Date: dd/mm/yyyy

Income: +Rs.100,000

Expenses: -Rs. 81,500

Current Balance: Rs. 19,500

Transactions:

Deposit: + Rs.100,000

Withdrawal: - Rs. 25,000

Transfer to Savings: - Rs. 35,000

Paid Electricity: - Rs. 6,000

Paid Water: -Rs. 2500

Paid taxes: - Rs. 18,000