

# Python Programming Lab

**LAB - 28/04/2021**

## Program 1:

Write a program to read through a file and print the contents of the file (line by line) all in upper case. Executing the program will look as follows:

Enter a file name: mbox-short.txt

FROM STEPHEN.MARQUARD@UCT.AC.ZA SAT JAN 5 09:14:16 2008

RETURN-PATH: <POSTMASTER@COLLAB.SAKAIPROJECT.ORG>

RECEIVED: FROM MURDER (MAIL.UMICH.EDU [141.211.14.90])

BY FRANKENSTEIN.MAIL.UMICH.EDU (CYRUS V2.3.8) WITH LMTPA;

SAT, 05 JAN 2008 09:14:16 -0500

You can use the file: [mbox-short.txt](#)

## Program 2:

Write a program to prompt for a file name, and then read through the file and look for lines of the form:

X-DSPAM-Confidence: 0.8475

When you encounter a line that starts with “X-DSPAM-Confidence:” pull apart the line to extract the floating-point number on the line. Count these lines and then compute the total of the spam confidence values from these lines. When you reach the end of the file, print out the average spam confidence.

Enter the file name: mbox.txt

Average spam confidence: 0.894128046745

Enter the file name: mbox-short.txt

Average spam confidence: 0.750718518519

**Note\***

Program and Program output should be in different pages and code should be in properly indented.