

Assignment 1

(Due 10th March, 2024)

Write a program '**V**' that performs the following operations on its execution:

- a. Searches for files with .foo extension in the documents folder of the user account. Modifies these files by appending the content of '**V**' to infect them.
- b. Further, it searches for any mounted USB drives for files with .foo extension and also infects them. It also creates a copy of '**V**' on the USB.
- c. When this USB drive is inserted in a new computer, '**V**' searches for a specified directory in the documents folder and copies itself to that directory of the computer.
- d. Comment on the actions taken by the antivirus program present in the computer.