**Lab 8 – Filters - Solutions**

1. Implement rot13 using the tr command.

* tr abcdefghijklmnopqrstuvwxyz nopqrstuvwxyzabcdefghijklm
* tr '[A-Za-z]' '[N-ZA-Mn-za-m]'

Note: You can store the command into an appropriate name in your .bashrc configuration file to save typing.

alias rot13="tr '[A-Za-z]' '[N-ZA-Mn-za-m]'"  
cat inputFilename | rot13 > resultsFilename

1. Implement a substitution cipher using the tr command.

* tr abcdefghijklmnopqrstuvwxyz ipxqlsrabcdefghjkmnotuvwyz