Vasily Lyapunov
Gabe Rodriguez

Step 2:

1. diff fruits_v1.txt fruits_v2.txt
2. > means that the second argument has the line in it, but the first argument doesn't. < means that the first argument has the line in it, but the second argument doesn't.
3. It prints the first arguments line. A word with a + indicates the word is not in the first argument, but is in the second. The – indicates the word is not in the second argument but is in the first.

Step 3:

1. wc –l password_demo.txt
   1. 15 password_demo.txt
1. –m password_demo.txt
   1. 692 password_demo.txt

Step 4:

1. cut –f1 –d ':' password_demo.txt
   * root
   * daemon
   * sys
   * games
   * mail
   * www–data
   * backup
   * nobody
   * syslog
   * whoopsie
   * user
   * sshd
   * ntp
   * mysql
   * vboxadd
1. cut –f2 –f4 –d ' ' grades.txt
   * LN HW1
   * Slaven 1
   * Eustathios 1
   * Saša 0
   * Gerard 1
   * Babur 0

* Marin 0
 * Marko 1

Step 5:

1. cut -f4 -d ':' password_demo.txt | sort -n | uniq
   * 0
   * 1
   * 2
   * 3
   * 5
   * 99
   * 999
   * 1000
   * 1337
2. cut -f4 -d ':' password_demo.txt | sort -n | uniq >> file.txt
3. cut -f 1,6 -d ':' password_demo.txt | grep ^[mws]
* sys:/dev
* mail:/var/mail
* www-data:/var/www
* syslog:/home/syslog
* whoopsie:/nonexistent
* sshd:/var/run/sshd
* mysql:/nonexistent

Step 6:

1.
1. sed 's/[A-Za-z]//g' cryptic.txt
   1. 0 4 34 4 053 70 473 7 0 4'7 43 17 1
1. sed 's/[0-9]//g' cryptic.txt
   1. yu cn ld hr wr bu yu cn' mk drnk
1. sed 's/[0-9]/_/g' cryptic.txt
   1. y_u c_n l__d _ h_r__ __ w___r bu_ y_u c_n'_ m_k_ __ dr_nk
2.
1. sed 's/0/o/g' cryptic.txt | sed 's/3/e/g' | sed 's/1/i/g' | sed 's/4/a/g'| sed 's/5/s/g' | sed 's/7/t/g'
   1. you can lead a horse to water but you can't make it drink
1. sed 's/0/o/g; s/3/e/g; s/1/i/g; s/4/a/g; s/5/s/g; s/7/t/g' cryptic.txt;
   1. you can lead a horse to water but you can't make it drink
3. Write .sh file with preceding command, wth #!bin/bash in the first line to make sure it runs

Step 7:

1. awk '{if (NR != 1) print $1 " " $2 " " ($3 + $4 + $5 + $6 + $7)/ 5}' grades.txt
    * Ryan Slaven 0.8
    * Jephthah Eustathios 0.4
    * Andreas Saša 0.6
    * Godofredo Gerard 1
    * Edwin Babur 0.8
    * Ahmad Marin 0
    * Jett Marko 0.8
1. awk '{sum += $3;if (NR!=1) tot+=1} END {print sum/tot}' grades.txt
    * 0.714286

Step 8:

1. egrep -c [0-9]{3}-[0-9]{3}-[0-9]{4} regex_practice_data.txt
    1. 770
1. egrep -c 303-441-[0-9]{4} regex_practice_data.txt
    1. 51
1. egrep -c ^.*@.+\.[a-z]{3} regex_practice_data.txt
    1. 17183
1. egrep -c ^.*@.+.gov regex_practice_data.txt
    1. 53