

1. The entire Python 2.7.17 tutorial was done.

2.

a)

```
*****
args.c
*****

#include <stdio.h>
#include <stdint.h>
#include <stdlib.h>
#include <string.h>

# Takes in command line arguments and prints them
int main(int argc, char *argv[])
{
    printf("Printing all passed command line arguments:\n");
    for(int i = 0; i < argc; i++) {
        printf("%s\n", argv[i]);
    }

    return 0;
}
```

```
*****
Makefile
*****

# Makefile for hw02_args
# changed so it would run gcc -o args -Wall -g args.c

TARGET=args
OBS=args.o
CFLAGS=-Wall -g
SOURCES=args.c

all: $(TARGET)
$(TARGET):
    gcc -o $(TARGET) $(CFLAGS) $(SOURCES)

clean:
    rm -f $(TARGET) $(OBS) core*
```

b)

```
./args it\'s The end Of The world @s we know It.mp3
./args \'it\'s The end Of The world @s we know It.mp3\'
./args "it\'s The end Of The world @s we know It.mp3"
```

3.

```
#!/usr/bin/python

import sys
import os

# Check to see if single file is passed
# Find number of lines in file
lines = 0
if(len(sys.argv[0:]) == 2):
    try:
        f = open(sys.argv[1], 'r')
        for l in f.readlines():
            lines = lines + 1
        f.close()
        print "Lines in file: {}".format(lines)
    except:
        print "Cannot open", sys.argv[1]
```

```
else:
    print "python hw02_03.py filename"

4.

#!/usr/bin/python

import sys
import os

# Check to see if single file is passed
# Reverse the contents of the file
string = ""
if(len(sys.argv[0:]) == 2):
    try:
        f = open(sys.argv[1], 'r')
        for l in reversed(f.read()):
            string = string + l
        print string
        f.close()
    except:
        print "Cannot open", sys.argv[1]

else:
    print "python hw02_04.py filename"

5.
a) alias ll="ls -laF --color=auto"
b) alias grep="grep -E"
c) alias df="df -h"

6. enscrip --header='$n %E %*|$%|Spencer Goulette' hw02.txt -o - | ps2pdf - output.pdf
```