# This block will open a file for reading,

# read in the entire file using file.read()

# and print out the entire file

file1 = open('test1.txt','r')

print file1.read()

# This block, using variable file2 will read

# a file one character at a time, and print it

# to the screen

file2 = open('test1.txt','r')

while 1: # while true

 char = file2.read(1) # just one byte

 if not char: break # jump out of the loop

 print char # prints each character on its own line

# This block, using variable file3 will read

# a file one character at a time, and print it

# to the screen - like 2 space the output lines

file2 = open('test1.txt','r')

while 1: # while true

 char = file2.read(1) # just one byte

 if not char: break # jump out of the loop

 print char, # prints character followed by a space

# use a for loop : read() function will read in the

# whole file at once, but the for statement prints

# each character one at a time

print 'For loop'

for char in open('test1.txt','r').read():

 print char

# use a while loop to read the file one line at a time

# the output will still show one character per line

print 'Read line at a time'

file5 = open('test1.txt','r')

while 1:

 line = file5.readline() # get one line

 if not line: break # test to see of we read a line

 print line, # without , it adds crld after each line

# read files in chunks / blocks. Here read 12 bytes at a time

print 'read blocks (size 12)'

file6 = open('test1.txt','rb')

while 1:

 chunk = file6.read(12)

 if not chunk: break

 print chunk, # you will see a space after each block

# other examples, some read only when a line is not already in memory

for line in open('test1.txt').readlines(): print line # reads all lines at once

for line in open('test1.txt').xreadlines(): print line # reads line as needed

for line in open('test1.txt'): print line # reads as needed

#promt the use for a file to open and process

f = raw\_input("\nExample:Prompting for a file name"

 "\n \n Please type in the path to your file and press 'Enter': ")

file7 = open(f, 'r')

while 1:

 line = file7.readline() # get one line

 if not line: break # test to see of we read a line

 print line, # without , it adds crld after each line