Ex1:

import sys

def ruler(num=43):

off = num % 10

n = num // 10

for i in range(1, n+1):

print('{:>10}'.format(i), end='')

print('\n')

for i in range(n):

print('1234567890', end='')

for i in range(1, off+1):

print(i, end='')

print('\n')

def main():

try:

inp = int(input('Enter an integer!\n'))

except TypeError('Only integers allowed!'):

print('possible')

ruler(inp)

if \_\_name\_\_ == '\_\_main\_\_':

main()

Ex2:

import sys

def isWhiteLine(instring):

if len(instring.strip().strip('\t')) == 0:

return True

else:

return False

def printdoc(fil):

with open(fil, 'r') as fl:

for line in [l.strip('\n') for l in list(fl)]:

if not isWhiteLine(line):

print(line)

def main(cmdline=False):

if cmdline:

inputfile = sys.argv[1]

else:

inputfile = input('Enter file')

printdoc(inputfile)

if \_\_name\_\_ == '\_\_main\_\_':

main(cmdline=False)

Ex3:

import sys

def isListOfInts(lst):

if not type(lst) == list:

raise ValueError('{} --> arg not of <list> type'.format(lst))

sys.exit(1)

c=0

for i in lst:

if type(i) == int:

c += 1

return True if c == len(lst) else False

def testList(lst):

out = isListOfInts(lst)

print('{} --> '.format(lst), end='')

print(out)

testList((1,2))