**Functions**

Programming Assignment

Using the IDLE development environment, create a Python script named tryme3.py . Write a function in this file called nine\_lines that uses a function called three\_lines to print nine blank lines. Now add a function named clear\_screen that prints out twenty-five blank lines. The last line of your program should call the function to clear\_screen .

The  function three\_lines and new\_line are defined below so that you can see a nested function call.

def new\_line():  
   print()

def three\_lines():  
   new\_line()  
   new\_line()  
   new\_line()

Solution:

#Define the function to print a blank line

def new\_line():

print()

#Define the function to print three blank lines

def three\_lines():

new\_line()

new\_line()

new\_line()

#Define a function to print nine blank lines

def nine\_lines():

three\_lines()

three\_lines()

three\_lines()

#Define a function to print twenty five lines and clear the screen

def clear\_screen():

nine\_lines()

nine\_lines()

three\_lines()

three\_lines()

new\_line()

#Print nine lines to console

print("Printing nine lines")

nine\_lines()

#Print twenty five lines to console

print("Calling clear\_screen()")

clear\_screen()

Outcome:

Python 3.7.1 (v3.7.1:260ec2c36a, Oct 20 2018, 14:57:15) [MSC v.1915 64 bit (AMD64)] on win32

Type "help", "copyright", "credits" or "license()" for more information.

>>>

============ RESTART: C:/Users/ada/Desktop/Functions excercise.py ============

Printing nine lines

Calling clear\_screen()