Assignment #1 – Numbers.

-to be done in Python IDLE

-Comment heading with:

#Assignment1.py

#*yourname*

#*yourclassblock*

-email to andrew.colwell@nbed.nb.ca

1. Create a function that converts the Celsius temperature scale to the Newton temperature scale. The two key points are that water freezes at 0°C and 0°N, and water boils at 100°C and 36°N. Your output should show the output of what the temperature is in Newtons, when the user puts in the following Celsius values 10, 30, 500.

2. For every inch measured, there are 2.54 centimeters that are measured. Create a function that converts any length in inches and displays the output in centimeters. Show the result of three trials.

3. Create a function that shows what coin change would be given for various money exchanges. For example, if you had 1.15, the program would output: 1 dollar coin, 1 dime, and 1 nickel. Another example is 2.35, which would output: 1 two dollar coin, 1 quarter, and 1 dime. Show the output for 3.95, and 1.70.

def main():

money=eval(input("Enter change amount: "))

money=int(money \* 100)

print("Number of toonies:",money//200)

money=money%200

print("Number of loonies:",money//100)

money=money%100

print("Number of quarters:",money//25)

money=money%25

print("Number of dimes:",money//10)

money=money%10

print("Number of nickels:",int(money/5))