Name: Sanada Thomas

Due Date:

Instructions:

1. Python

Program to Print Name!

2. Python

Program to Add Two Numbers

3. Python

Program to Find the Square Root

4. Python

Program to Calculate the Area of a Triangle

5. Python

Program to Solve Quadratic Equation

6. Python Program

to Swap Two Variables

7. Python

Program to Generate a Random Number

8. Python

Program to Convert Kilometers to Miles

9. Python

Program to Convert Celsius To Fahrenheit

10. Python

Program to Check if a Number is Positive, Negative or 0

11. Python

Program to Check if a Number is Odd or Even

12. Python

Program to Check Leap Year

import math

import cmath

import random

print("Sanada Thomas")

Num1 = 15

Num2 = 20

Sum = Num1 + Num2

print('Num1 + Num2 =', Sum)

math.sqrt(49)

from math import sqrt

number = 144

square\_root = sqrt(number)

print("The square root is", square\_root)

sideA = 80

sideB = 90

sideC = 20

s = (sideA + sideB + sideC) / 2

area = (s \* (s - sideA) \* (s - sideB) \* (s - sideC)) \*\* 0.5

print('The area of the triangle is %0.5f' % area)

a = 1

b = 5

c = 6

d = (b \*\* 2) - (4 \* a \* c)

sol1 = (-b - cmath.sqrt(d)) / (2 \* a)

sol2 = (-b + cmath.sqrt(d)) / (2 \* a)

print('The solution are {0} and {1}'.format(sol1, sol2))

name1 = "Kaka"

name2 = "Jonny"

name1, name2 = name2, name1

print('your name was', name1)

print("Now it's", name2)

print(random.randint(0, 1000000))

kilometre\_1 = 255

conversion\_ratio\_1 = 0.621371

miles\_1 = kilometre\_1 \* conversion\_ratio\_1

print("The speed value of car in Miles:", " %.0f" % miles\_1, "mph")

celsius\_1 = 40

Fahrenheit\_1 = (celsius\_1 \* 1.8) + 32

print("The temperature is", Fahrenheit\_1)

def NumberCheck(a):

if a > 0:

print("Number given by you is Positive")

elif a < 0:

print("Number given by you is Negative")

else:

print("Number given by you is zero")

a = float(input("Enter a number to see if it's negative, positive or zero: "))

NumberCheck(a)

num = int(input("Enter a number to see if it's even or odd: "))

if (num % 2) == 0:

print("{0} is Even a number".format(num))

else:

print("{0} is Odd a number".format(num))

def CheckLeap(Year):

if ((Year % 400 == 0) or

(Year % 100 != 0) and

(Year % 4 == 0)):

print("Given Year is a leap Year");

else:

print("Given Year is not a leap Year")

Year = int(input("Enter a year: "))

CheckLeap(Year)