Lab #2

Programming and Algorithms

Please complete all of the following questions:

1. Write a Python program to print out the message *Know thyself*

HINT:

# PROGRAM KnowThyself:

print(\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

# END.

1. Write a Python program to print out the message *Know thyself* and add a blank line after the message.

HINT:

# PROGRAM KnowThyselfNewLine:

print(\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

# END.

1. Write a Python program to print out the message *Know thyself* 10 times.

HINT:

# PROGRAM KnowThyself10Times:

print(\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \* \_\_\_)

# END.

1. Write a Python program to print out the message *Know thyself* 10 times, with a new line after each message.

HINT:

# PROGRAM KnowThyself10TimesNewLine:

print(\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \* \_\_\_)

# END.

1. Write a Python program to print out the following:

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HINT:

# PROGRAM ChristmasTree:

print(“ \*”)

print(“ \*\*\*”)

print(\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

print(\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

print(\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

print(\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

print(\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

# END.

1. Write a Python program to print out the following:

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HINT:

# PROGRAM NewChristmasTree:

print(\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

print(\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

print(\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

print(\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

print(\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

print(\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

print(\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

# END.

1. Write a Python program to print out the message *“Know thyself”*

HINT:

# PROGRAM KnowThyself:

print(\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

# END.

1. Write a Python program to print out the message *When 10 is divided by 3, it goes into in 3 times and remainder 1* using the PRINT statement and arithmetic functions.

HINT:

# PROGRAM MathsLab:

print(“\_\_\_\_\_\_\_\_”, \_//\_, “times and remainder “,\_%\_)

# END.

1. Write a Python program to read in a number from a user, and prints out double that number.

HINT:

# PROGRAM DoubleNumber:

print(“Please input a message: ”)

\_\_\_\_\_\_\_ = int(\_\_\_\_\_\_\_)

print(\_\_\_\_\_\_\_\_\_\_\_)

# END.

1. Write a Python program to read in a tempeture in Fahrenheit, and prints out that tempeture in Celsius:

HINT:

# PROGRAM ConvertFromFahrenheitTOCelsius:

print(“Please input your temperature in F:”)

\_\_\_\_\_\_\_ = int(\_\_\_\_\_\_\_);

print(“That temperature in C is:”)

print((\_\_\_\_\_\_ - 30) / 2)

# END.

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| e-mail me a completed solution to each of the above programs in a Word document, and include Lab #1 in this document also.  e-mail to [Damian.X.Gordon@TUDublin.ie](mailto:Damian.X.Gordon@TUDublin.ie) with subject heading “TU082 PaA Lab #1-2” |