CSCI 256 – Programming in Python **Fall 2022**
Program 7

Programming Activity

Write a program that calculates the amount a person would earn over a period of time if his or her salary is one penny the first day, two pennies the second day, and continues to double each day. The program should read in an integer as the number of days and display a table showing the salary for each day, and then show the total pay at the end of the period. The pay should be displayed in a dollar amount with two decimal places.

You can name your program **salaryYourLastName.py**
If you have an infinite loop, click in the Command window, press **Ctrl + C** to stop the execution.

```
# prompt for input

# for loop to display the table and calculate the total pay (display a
# dollar sign $ and 2 decimal places for the pay)

# display the total pay
```

Sample Output

```
Enter number of working days: 15

Day     Pay
1       $0.01
2       $0.02
3       $0.04
4       $0.08
5       $0.16
6       $0.32
7       $0.64
8       $1.28
9       $2.56
10      $5.12
11      $10.24
12      $20.48
13      $40.96
14      $81.92
15      $163.84

The total pay is $327.67
```

Cont'd on next page! -->

Include header comments (i.e., **at the beginning of your file**) formatted as shown below. Your electronic submission of the program file will represent your endorsement of the Honor Code Statement.

```
# Course: CSCI 256, Section 1
# Student Name: Jane Doe
# Student ID: 12345678
# Program 7
# Due Date:

# In keeping with the Honor Code of UM, I have neither given nor
# received assistance from anyone other than the TA or the instructor.

# Program Description:
```

Notice: You need to submit **your program** in Blackboard. Click on **Program 7** link in Bb, click **Browse My Computer**, attach the program, and click **Submit**.