

## QUIZ: PROGRAMMING CHALLENGE

2/21/19 11PM

Write a program that calculates how much a person earns in a month if the salary is one penny the first day, two pennies the second day, four pennies the third day, and so on with the daily pay doubling each day the employee works. The program should ask the user for the number of days the employee worked during the month, validate that it is between 1 and 31, and then display a table showing how much the salary was for each day worked, as well as the total pay earned for the month. The output should be displayed in dollars with two decimal points, not in pennies.

Note: The first loop (while) should validate the days worked – must be between 1 and 31. The second loop (for) is for the computation of pay.

/\* SAMPLE RUN RESULTS

Day	Pay
1	0.01
2	0.02
3	0.04
4	0.08
5	0.16
6	0.32
8	1.28
9	2.56
10	5.12
11	10.24
12	20.48
13	40.96
14	81.92
15	163.84
16	327.68
17	655.36
18	1310.72
19	2621.44
20	5242.88
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Total \$	10485.75

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