

Write a program that calculates how much 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 ask the user for the number of days. Display a table showing how much the salary was for each day, and then show the total pay at the end of the period. The output should be displayed in dollar amounts and should look like this:

```
How many days will you be earning a salary?10
```

```
Day  Salary
```

```
-----
```

```
0      1
1      2
2      4
3      8
4     16
5     32
6     64
7    128
8    256
9    512
```

```
You have earned $10.23
```

Your solution should have a main function that produces the required output. Please push your entire program directory to your class sponsored GitHub repository so it can be graded.