**FOR and WHILE LOOPS**

1. **Question 1)** An old Arabian legend has it that a fabulously wealthy but unthinking king agreed to give a beggar 1 cent and double the amount for 64 days. Using this information, write a program that displays how much the king must pay the beggar on each day. The output should be as follows. Use a for loop and then rewrite the program using a while loop. Don’t forget to use your output manipulators so that the numbers appear as decimal numbers.

Day Amount Owed  
 ----------- --------------------------------  
 1 0.01

2 0.02

3 0.04

. .

. .

64 .

**EXTRA CREDIT:**  Modify the program to determine on which day the King paid the beggar for the first time over one million dollars. **Use a while loop.**