Part A: Write two programs that calculates the amount of money a person would earn over a period of time if their salary is one penny the first day, two pennies the second day, and continues to double each day.
\begin{itemize}
  \item The first program should prompt the user for the number of days, and then displays a table showing the day #, the salary for that day, and total amount paid from day 1 through that day.
  \item The second version of the program should determine how many days a person would need to work before they received a million dollars per day in salary.
\end{itemize}

After you have both programs (A and B) working correctly, raise your hand and we'll check your work.

Part B: In class we discussed using nested loops to print a rectangle of asterisks (*). We developed the code below which has the output shown when ran with inputs of 4 rows and 3 columns:

```
rows = input("Enter the number of rows: ")
columns = input("Enter the number of columns: ")
for row in range(rows):
    for column in range(columns):
        print '*',
    print
```

Write programs to generate each of the following shapes. The user should be able to input the dimensions.
\begin{itemize}
  \item A right triangle that has the same number of rows as columns and is shaped like the following example with 4 rows:
        *
        * *
        * * *
        * * * *
  \item A right triangle that has the same number of rows as columns and is shaped like the following example with 4 rows:
        * * * *
        * * *
        * *
        *
  \item An “odd shape” formed by two right triangle of equal size. An example of the shape containing 5 rows is:
        * * * * * * * * * *
        * * * * * * * * * *
        * * *     * * * *
        * *         * * *
        *                 *
\end{itemize}

When you are done with both parts, hand in the following:
\begin{itemize}
  \item A) Both programs for part A
  \item B) Answers to questions (a) to (d) of part B
\end{itemize}

If you don’t get both parts done in lab, don’t worry about it. Try to have the lab completed by next lab.