

HW1

Problem1:

Create a program that asks the user to enter their name and their age. Print out a message addressed to them that tells them the year that they will turn 100 years old.

Problem2: Write a Python program to print the following string in a specific format

Output1:

```
Twinkle, twinkle, little star,  
    How I wonder what you are!  
        Up above the world so high,  
        Like a diamond in the sky.
```

```
Twinkle, twinkle, little star,  
    How I wonder what you are
```

Output2:

```
Current date and time :  
2014-07-05 14:34:14
```

Problem3:

Compute and print both roots of the quadratic equation $x^2 - 5.86x + 8.5408$.

Problem 4:

Explain Bitwise, special, and membership operators.

Problem 5:

Try to read following two paper. Just read abstract, introduction, and conclusion first. You can ignore mathematical equations.

Paper1: [A Theory of How the Brain Might Work.](#)

Paper2: [The Mathematics of Learning: Dealing with Data.](#)