Problem 1: Miles to Kilometers

Please write a Python program which asks the user to input some number of miles and prints out how many kilometers that is. Please use the conversion: 1 mile = 1.60934 kilometers.

Write your code here

Problem 2: Python as a Calculator

Please write a Python program which calculates and prints the value of

$$3 \times (7 - 2) + 1.1$$

Write your code here

Problem 3: Practice with printing

Please write a Python program which prints a diamond like the one below. For 1 additional extra credit point, instead write a Python program which asks the user for the number of rows and prints the diamond shape below with that many rows. For example, the diamond below has 7 rows.

```
   *
  ***
 *****
*******
 *****
  ***
   *
```

Write your code here

Problem 4: Income after Tax

Please write a Python program which asks for your annual salary and what percent of that salary you are paying for taxes. Finally print your after tax income.

Write your code here

Problem 5: Time to Drive

Please write a Python program which asks the user for the distance to a city (in miles) they need to drive to, asks at what average speed they can drive at (in miles per hour), and prints out how much time it will take them.

Write your code here

Problem 6: Get current age

Please write a Python program which asks the user on what year they were born and prints their current age (you can approximate I know the specific day you are born on matters).

For 1 additional extra credit point, alternatively ask the user what exact day, month, and year they were born at and print out their age based on the time the Python program is being run at. **Hint:** The datetime library may be helpful.

Write your code here