Input

1. An Average Program

Write a program that takes four integers as input from the user and prints the average of the four input integers.

What inputs did you use to test your program?

Is there any way your program could produce an error?
2. Account Time

An interesting feature of some social media and gaming sites is that they track the time since the user created an account. Write a program that calculates and displays how many days it has been since a user created an account. The program should ask for an input, month, day and year and output the number of days the user has been a member. Since we don’t have the tools yet to determine differences in the number of days between months we'll ignore the fact that some months have different numbers of days and assume they all have 30 days. In addition, you should assume that this program is only meant to work today.
3. Write a program that asks for two action words (verbs) and one animal name and if someone enters walks, quacks and duck the program produces the following output:

If it walks like a duck, and quacks like a duck, it probably is a duck.

How did you go about creating your program?
Debugging

1. A scientist is trying to write a simple app for his smart phone that converts Celsius to Fahrenheit (This should look familiar!) He is having trouble because when he inputs the value 43.8 he gets the following error:

   Line 1: File
   ValueError: invalid literal for int() with base 10: '43.8'

   This is his program:

   ```python
   deg_c = int(input("What is the temperature in Celsius? "))
   # formula to convert C to F is:
   # 9/5 times (degrees Celcius) plus (32)
   deg_f = deg_c * 9 / 5 + 32
   print(deg_c, " degrees Celsius is", deg_f, " degrees Farenheit."")
   ```

   What kind of error is he experiencing?

   What does this mean? Can you fix the error?
Will he experience another error?