

Assignment #4

1. Write a program that asks the user their age and weight (in kg). If their age < 12 or their weight < 48 , then display a message that they cannot sit in the front seat of a car. Also display a message if they are able to sit in the front seat.
2. George and Paul are the only 2 people who can access a web site. When Entering the website, you will be asked for your **Name** and **Password**. Write a program that will prompt the user for their name and password, and will display a message that “Access is Granted” or “Access is Denied”. Only George and Paul get access. George’s password is “Computer” and Paul’s password is “Flamingo”.

Enter Your Name : **Paul**
Enter Your Password : **Turtle**
Access is Denied

3. A restaurant offers 5 different breakfast meals :

1 – Juice, Muffin, Coffee ... \$2.50
2 – Cereal, Toast, Milk ... \$2.50
3 – 1 Egg, Toast, Coffee ... \$3.50
4 – 2 Eggs, Toast Coffee ... \$4.00
5 – 3 Pancakes, Sausage, Coffee ... \$4.50

Have the program prompt the user for their selection (1, 2, 3, 4 or 5)

The program will then display a message that shows the amount that they owe (including tax).

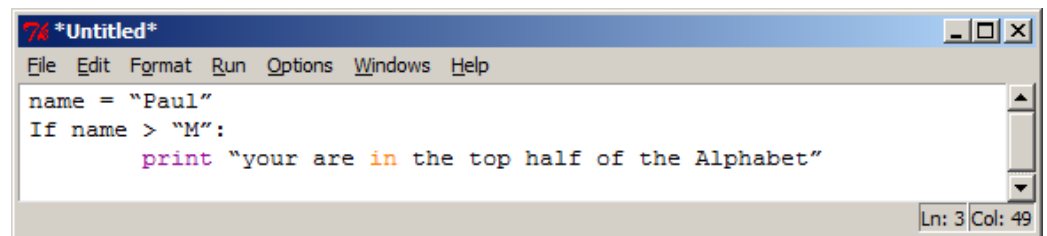
Tax is only calculated on meals of \$4 or more.

4. Write a program that prompts a student enter their mark. The program will then assign them a Level :

100	4+++
98-99	4++
95-97	4+
85-94	4
80-84	4-
77-79	3+
73-74	3
70-72	3-
67-69	2+
63-66	2
60-62	2-
57-59	1+
53-56	1
50-52	1-
42-49	0+
30-41	0
< 30	0-

5. Text (Strings) can also be compared using the signs >, <, >=, <=, !=.

Ex:



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File Edit Format Run Options Windows Help
name = "Paul"
If name > "M":
    print "your are in the top half of the Alphabet"
Ln: 3 Col: 49
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*** Python looks at the first letter of the name and compares it to “M”**

Write a program that prompts the user to enter their last name and tells them who their Guidance Counsellor is :

A – H : Ms. Jones
I – P : Mr. Albertson
Q – Z : Mr. Bergeron