# Expression Evaluation

<table>
<thead>
<tr>
<th>Expression</th>
<th>Value</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>4+1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30/5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30%5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>05/01/10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.0**2+1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1+3000*3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30/5.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>“A” + “B”</td>
<td></td>
<td></td>
</tr>
<tr>
<td>“HA” * 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>“HEello” - “E”</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
def myFunc(x):
    print x
    x = int(x)
    print x+4
    y = str(x)
    print y+"5"
    print y+"5"

myFunc(6.5)
Legal or Illegal Variable Names?

1x
x1
x_1
X1
x 1
x11
x11
x+1
$x
_x
Write a function called `multTable` which takes 1 input parameter, a number to make into row a multiplication table. Your function should print out the first 4 entries for that number in a multiplication table beginning at 1*the parameter. An example is below:

```python
>>>multTable(2)
2, 4, 6, 8
```
Program Writing

Write a program to calculate a user's weight on the moon and on the sun. You should ask the user for their weight. (For this exercise, you may assume your user always enters valid numbers and makes no errors.) You should then calculate and display their “moon weight” and “sun weight”. To find their weight on the moon, you need to divide by 6 and to calculate their sun weight, you need to multiply by 27.1. Your answer should be as precise as possible. An example output is below:

What is your earth weight? 1
Your moon weight is 0.166666666667 and your sun weight is 27.1