**Data Types (Classes)**

*See the lesson notes at*: [dmaccarthy.github.io/sci/#cs\_new/sp1/type](https://dmaccarthy.github.io/sci/#cs_new/sp1/type)

1. Explain how to convert between string, integer and float data types in Python.

Answer

2. Describe how Python's **type** function works.

Answer

3. Predict the type (**str**, **int**, or **float**) and value of the result of each Python expression. If the expression causes an error, explain why.

|  |  |  |
| --- | --- | --- |
| **Expression** | **Type** | **Value or Explanation** |
| 34 + 45.0 \* 2 |  |  |
| 3.0 + 5 // 2 |  |  |
| 8.5 - 7 / 3 |  |  |
| "1920" + '89' |  |  |
| 1920 + "89" |  |  |
| 5.0 \*\* 2 |  |  |