Starter – questions

Fill in the missing boxes:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Value Example | Data type | Definition | Keyword |
| 1 | 1 |  | Whole numbers |  |
| 2 | True |  |  | bool |
| 3 |  | Floating point | Number with a decimal point |  |
| 4 | “Sam” |  |  | str |
| 5 | 50 |  |  |  |
| 6 | ‘Serena’ |  |  |  |
| 7 |  |  |  | bool |
| 8 | 2.5 |  | Number with a decimal point |  |
| 9 | ‘5’ |  |  |  |
| 10 | 0.0 |  |  |  |

**Challenge question:**

What do you think happens to the data type if you add a float to an integer? Like below:

|  |  |
| --- | --- |
| Input | Output |
| num\_int = 42  num\_flo = 4.2  num\_new = num\_int + num\_flo  print("datatype of num\_int:",type(num\_int))  print("datatype of num\_flo:",type(num\_flo))  print("Value of num\_new:",num\_new)  print("datatype of num\_new:",type(num\_new)) | datatype of num\_int: <class 'int'>  datatype of num\_flo: <class 'float'>  Value of num\_new: 124.23  datatype of num\_new: <class 'float'> |