Link zur Datei auf Github

Listing 4.15: Listing 4.11, but with the variable explicitly hinted as `int`. (stored in file `variable_types_wrong_hints_1.py`; output in Listing 4.16)

```python
int_var: int = 1 + 7      # Create a variable hinted as integer.
print(type(int_var))      # This prints "<class 'int'>".

int_var = int_var / 3     # / returns a float, but we may expect an int?
print(type(int_var))      # This now prints "<class 'float'>".
```

↓ `python3 variable_types_wrong_hints_1.py` ↓

Listing 4.16: The stdout of the program `variable_types_wrong_hints_1.py` given in Listing 4.15.

```
<class 'int'>
<class 'float'>
```

Kommando im Terminal

Listing 4.19: The results of static type checking the program `variable_types_wrong_hints_1.py` with Mypy of the program given in Listing 4.15.

```
$ mypy variable_types_wrong_hints_1.py --no-strict-optional --check-untyped
    ↪ -defs
variable_types_wrong_hints_1.py:4: error: Incompatible types in assignment
    ↪ (expression has type "float", variable has type "int")  [assignment]
Found 1 error in 1 file (checked 1 source file)
# mypy 1.16.1 failed with exit code 1.
```

Softwareversion, Ergebnis, und Exit Code