

CSCI 145 Quiz 1 practice questions on expressions, variables, and functions

1. Evaluate these Python expressions, writing both the value and its type in each blank (for example: 6.0, float):

`9 * 2.0 - 3` _____

`-10 // 3` _____

`10 // 3` _____

`10 % 4` _____

`2 ** 5` _____

`10 % 5` _____

`5 + 3 * 2` _____

`(4 + 3.0) / 2` _____

`True or False` _____

`not (5 > 2)` _____

2. Consider each code snippet below and evaluate the asked for variable (you do not need to specify the type).

```
price = 20
discount = price / 2
price = price - discount
```

The value of discount is _____

```
word = "ab"
word = word * 2
word = word + "c"
```

The value of word is _____

```
total = 10
extra = total
total = total + 5
extra = extra + 2
```

The value of total is _____

3. Write a Python function `average` that computes the average of two parameters `a` and `b`. Return the average as a float. For example:
- ```
>>> average(5, 8)
6.5
```