

CptS 111 — Quiz #1

NAME: _____

- Questions will be multiple-choice, true-false, fill in the blank, or short answer.
- This quiz is open book, open notes, and “open computer.” If you are not sure of an answer, please test things on your laptop! (Even if you are sure, if you have the time, it doesn’t hurt to double-check your answer using your computer.)
- **This must done individually!** It is **not** open neighbor.
- You have 20 minutes to complete this quiz. (There are 20 questions.)
- All problems are equal weight.

1. A comment in Python is indicated by a:

- (a) colon (:)
- (b) dollar sign (\$)
- (c) asterisk (*)
- (d) pound sign (#)

2. The following code is executed. What is the output of the `print` statement in the following code?

```
a = 'ground'  
b = "hog"  
print(a, b)
```

- (a) This produces an error.
- (b) ground hog
- (c) 'ground' "hog"
- (d) groundhog

3. What would Python print as a result of this statement:

```
print(7 + 23)
```

- (a) 7 + 23
- (b) 7 + 23 = 30
- (c) 30
- (d) This produces an error.

4. Which of the following *are* valid variable names? (Circle all that apply.)

- (a) `_1_2_3_`
- (b) `ms.NET`
- (c) `WoW`
- (d) `green-day`
- (e) `big!fish`
- (f) `500_days_of_summer`

5. True or False: “`x ** 2`” is equivalent to “`x * x`”.

6. The following code is executed

```
x = input("Enter x: ")
```

In response to the prompt the user enters

```
-2 * 3 + 5
```

What is the resulting value of x?

- (a) -16
 - (b) -1
 - (c) '-2 * 3 + 5'
 - (d) This produces an error.
7. The following code is executed

```
y = int(input("Enter x: ")) + 1
```

In response to the prompt the user enters

```
50
```

What is the resulting value of y?

- (a) '50 1'+
 - (b) 51
 - (c) 50
 - (d) This produces an error.
8. The following code is executed

```
y = int(input("Enter x: ") + 1)
```

In response to the prompt the user enters

```
50
```

What is the resulting value of y?

- (a) '50 1'+
- (b) 51
- (c) 50
- (d) This produces an error.

For each of the following, in the space to the left indicate the value to which the expression evaluates. (Your answer should distinguish between floats and ints by either the inclusion or exclusion of a decimal point.)

- 9. _____ $5.5 - 11 / 2$
- 10. _____ $5.5 - 11 // 2$
- 11. _____ $10 \% 7$
- 12. _____ $7 \% 10$
- 13. _____ $3 + 2 * 2$
- 14. _____ $16 / 4 / 2$
- 15. _____ $2 // 4 // 16$

16. What output is produced when the following code is executed?

```
hello = "yo"  
world = "dude"  
print(hello, world)
```

- (a) hello, world
- (b) yo dude
- (c) "yo" "dude"
- (d) yodude
- (e) This produces an error.

17. The following code is executed. What is the output from the `print()` statement?

```
x = 15  
y = x  
x = 20  
print(y)
```

- (a) 15
- (b) 20
- (c) y
- (d) x
- (e) This produces an error.

18. The following code is executed. What is the output from the `print()` statement?

```
result = "10" / 2  
print(result)
```

- (a) 5
- (b) 5.0
- (c) ' "10" / 2 '
- (d) This produces an error.

19. The following code is executed. What is the output from the `print()` statement?

```
x = 10  
y = 20  
a, b = x + 1, y + 2  
print(a, b)
```

- (a) 10 20
- (b) 11 22
- (c) 'a, b'
- (d) 'x + 1, y + 2'
- (e) This produces an error.

20. The following code is executed. What is the output from the `print()` statement?

```
x = 10
y = 20
a, b = x + 1, y + 2
print(a, b)
```

- (a) 10 20
- (b) 11 22
- (c) 'a, b'
- (d) 'x + 1, y + 2'
- (e) This produces an error.

21. True or False: The following three statements are all equivalent:

```
x = (3 +
4)
```

```
x = 3 + \
4
```

```
x = ""3 +
4""
```