

## Topic 2: Variables and Expressions

**David H Smith IV**

**University of Illinois Urbana-Champaign**

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Things that are due tommorow night:

- Homework 2
- zyBooks Participation for Topic 2 (Part 2)
- Post-reading for Topic 2 (Part 2)

# Poll Question: Whitespace

Which of the following are considered whitespace?

- ① Spaces
- ② Tabs
- ③ Newlines
- ④ Spaces and Tabs
- ⑤ Spaces, Tabs, and Newlines

## Poll Question: Whitespace

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Whitespace is any character that takes up vertical or horizontal space but does not produce an otherwise visible mark.

# Topic Review: Escape Character

- ① Treat backslash(\) as a special character
- ② \ means that the character *immediately* following it should be treated differently.
  - ① \' and \" escape quotes within a string.
  - ② \t encodes a tab.
  - ③ \n encodes a new line.
  - ④ \\ encodes a slash.

# Poll Question:

What is printed to the screen when the user types in 1.

```
1 x = input()
2 y = float(x)
3 print(y)
4
```

- ☐ A 1
- ☐ B 1.0
- ☐ C ValueError
- ☐ D Other error

# Poll Question

What will the output be if the user types in 4.5 then 1?

```
1 x = int(input())  
2 y = int(input())  
3 z = x + y  
4 print(z)  
5
```

- 1 5.5
- 2 6.0
- 3 ValueError
- 4 6

# Poll Question:

What is the result of running the following code when the user types in 4.5 and 1?

```
1 x = int(float(input()))  
2 y = float(input())  
3 z = x + y  
4 print(z)  
5
```

1



# Poll Question:

1

# Poll Question:

1

# Poll Question: Python Literals

Which of the following is not a valid Python literal?

- Ⓐ 1.00001
- Ⓑ 1E-7
- Ⓒ 1,097
- Ⓓ -3.00
- Ⓔ '\,\'',''

# Poll Question: Python Naming

Which are legal python names?

● ----

● 12monkeys

● 133tCoder42

Ⓐ 1 and 2

Ⓑ 1 and 3

Ⓒ 2 only

Ⓓ 1, 2, and 3

# Poll Question:

1

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