

3.5 Review Questions

1. 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.

2. 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.

3. 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.

4. The following code is executed

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

In response to the prompt the user enters

`2 + 3 * -4`

What is the output produced by the `print()` statement?

- (a) $x = -10$
- (b) $x = -20$
- (c) $x = 2 + 3 * -4$
- (d) This produces an error.
- (e) None of the above.

5. The following code is executed

```
x = int(input("Enter x: "))  
print("x =", x)
```

In response to the prompt the user enters

```
2 + 3 * -4
```

What is the output produced by the `print()` statement?

- (a) $x = -10$
- (b) $x = -20$
- (c) $x = 2 + 3 * -4$
- (d) This produces an error.
- (e) None of the above.

6. The following code is executed

```
x = int(input("Enter x: "))  
print("x =", x)
```

In response to the prompt the user enters

```
5.0
```

What is the output produced by the `print()` statement?

- (a) $x = 5.0$
- (b) $x = 5$
- (c) This produces an error.
- (d) None of the above.

7. The following code is executed

```
x = float(input("Enter x: "))  
print("x =", x)
```

In response to the prompt the user enters

5

What is the output produced by the `print()` statement?

- (a) `x = 5.0`
- (b) `x = 5`
- (c) This produces an error.
- (d) None of the above.

8. The following code is executed

```
x = eval(input("Enter x: "))
print("x =", x)
```

In response to the prompt the user enters

5

What is the output produced by the `print()` statement?

- (a) `x = 5.0`
- (b) `x = 5`
- (c) This produces an error.
- (d) None of the above.

9. The following code is executed

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

In response to the prompt the user enters

5

What is the output produced by the `print()` statement?

- (a) `x = 5.0`
- (b) `x = 5`
- (c) This produces an error.
- (d) None of the above.

10. The following code is executed

```
x = int(input("Enter x: "))
print("x =", x + 1.0)
```

In response to the prompt the user enters

5

What is the output produced by the `print()` statement?

- (a) `x = 6.0`
- (b) `x = 6`
- (c) This produces an error.
- (d) None of the above.

11. The following code is executed

```
x = float(input("Enter x: "))  
print("x =", x + 1)
```

In response to the prompt the user enters

5

What is the output produced by the `print()` statement?

- (a) `x = 6.0`
- (b) `x = 6`
- (c) This produces an error.
- (d) None of the above.

12. The following code is executed

```
x = eval(input("Enter x: "))  
print("x =", x + 1)
```

In response to the prompt the user enters

5

What is the output produced by the `print()` statement?

- (a) `x = 6.0`
- (b) `x = 6`
- (c) This produces an error.
- (d) None of the above.

13. The following code is executed

```
x = input("Enter x: ")  
print("x =", x + 1)
```

In response to the prompt the user enters

5

What is the output produced by the `print()` statement?

- (a) `x = 6.0`
- (b) `x = 6`
- (c) This produces an error.
- (d) None of the above.

14. The following code is executed

```
x = eval(input("Enter x: "))  
print("x =", x)
```

In response to the prompt the user enters

2 + 3 * -4

What is the output produced by the `print()` statement?

- (a) `x = -10`
- (b) `x = -20`
- (c) `x = 2 + 3 * -4`
- (d) This produces an error.
- (e) None of the above.

15. What is produced by the `print()` statement in the following code?

```
s = "8 / 4 + 4"  
print(s, eval(s), sep=" = ")
```

What is the resulting value of `y`?

- (a) This produces an error.
- (b) `8 / 4 + 4 = 6`
- (c) `6.0 = 6.0`
- (d) `8 / 4 + 4 = 6.0`
- (e) None of the above.

16. True or False: All of the following are acceptable arguments for the `int()` function: 5, 5.0, "5", and "5.0" (these arguments are an `int`, a `float`, and two `strs`, respectively).
17. True or False: All of the following are acceptable arguments for the `float()` function: 5, 5.0, "5", and "5.0".

18. True or False: All of the following are acceptable arguments for the `eval()` function: `5`, `5.0`, `"5"`, and `"5.0"`.
19. True or False: The string `"5.0, 6.0"` is an acceptable argument for the `eval()` function but not for the `float()` function.