

MCQ. Choose the answer of your choice. Try to solve it manually first, but if you doubt your answer, feel free to use the python interactive shell for verification.

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.

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.