



Code Exams

Python Beginner Written Examination

Copyright © 2021 Code Exams. All rights reserved.

All material in this file (“content”) is protected by copyright under U.S. Copyright laws are the property of Code Exams. You may not copy, reproduce, distribute, publish, display, perform, modify, create derivative works, transmit, or in any way exploit any such content, nor may you distribute any part of this content over any networking, sell or offer it for sale. You may not alter or remove any copyright notices from the content. Copying or storing any content except as provided above is expressly prohibited without prior written permission or the copyright holder identified in the individual content’s copyright notice. Exceptions will be made in an education environment, where the content can be reproduced and distributed for educational purposes only.

Question 1.

What would the following code output?

```
print("Hello, world!")
```

- (A) Hello world
- (B) Hello
- (C) world!
- (D) Hello, world!

Question 2.

Which of the following pieces of code would output the first 10 positive integers, like so:

```
1
2
3
4
5
6
7
8
9
10
```

- (A)

```
for i in range(1, 11):  
    print(i)
```

- (B)

```
for i in range(1, 10):  
    print(i)
```

(C)

```
while True:  
    print("12345678910")
```

(D)

```
i = 1  
while i != 10:  
    print(i)  
    i = i + 1
```

Question 3.

Which of the following statements would return True, given that x is set to an integer value of 5?

- (A) x = 5
- (B) x == -5
- (C) x != 0
- (D) x === 5

Question 4.

What would the following code output?

```
array = [0, 7, 3, 6, 10, 2]  
print(array[4])
```

- (A) array[4]

- (B) 6
- (C) 10
- (D) 0, 7, 3, 6

Question 5.

Which of the following pieces of code correctly imports the included 'random' library?

- (A) import library: random
- (B) import random
- (C) from included import random
- (D) from libraries import random

Question 6.

What would the following code output?

```
x = 7
if x > 9:
    print("x is very big")
elif x > 7:
    print("x is fairly big")
else:
    print("x is small")
```

- (A) x is very big
- (B) x is fairly big
- (C) x is small
- (D) None of the above

Question 7.

Which of the following pieces of code defines a function named 'round_up', takes in one integer argument named 'n', and will always return an integer that is 'n' rounded up?

(Note: the function 'ceil' takes in one parameter, is imported from the math library, and will always return the least integer greater than or equal to the parameter given.)

(A)

```
from math import ceil
```

```
def round_up(n) -> int:  
    return ceil(n)
```

(B)

```
from math import ceil
```

```
def round_up(int n) -> int:  
    return ceil(n)
```

(C)

```
import math
```

```
def round_up(n) -> int:  
    return ceil(n)
```

(D)

```
from ceil import math

def round_up(n) -> int:
    return ceil(n)
```

Question 8.

What would the following code output?

```
dictionary = {"1": 5, "2": 4, "3": 3, "4": 2, "5": 1}

print(dictionary["4"])
```

- (A) 4
- (B) dictionary["4"]
- (C) 42
- (D) 2

Question 9.

What would the following code output?

```
print(max([3, 4, 5] + [5, 4, 3]))
```

- (A) [3, 4, 5]
- (B) 5
- (C) [3, 4, 5, 5, 4, 3]
- (D) None of the above

Question 10.

What does the reserved keyword 'self' represent?

- (A) The list of parameters of the program the keyword is used in.
- (B) The list of arguments of the function the keyword is used in.
- (C) The instance of the class the keyword is used in.
- (D) The return type of the function the keyword is used in.