



Code Exams

Python Beginner Written Examination

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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.