

# Python Questions and Answers – While and For Loops – 4

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This set of Python Questions and Answers for Freshers focuses on “While and For Loops”.

1. What will be the output of the following Python code?

```
x = 123      → Objects of type 'int'  
for i in x:  
    print(i)  are not iterable
```

- C. a) 1 2 3  
b) 123  
c) error  
d) none of the mentioned

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2. What will be the output of the following Python code?

```
d = {0: 'a', 1: 'b', 2: 'c'}  
for i in d:  
    print(i)
```

loop over the keys of  
the dictionary.

A

- a) 0 1 2
- b) a b c
- c) 0 a 1 b 2 c
- d) none of the mentioned

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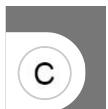
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3. What will be the output of the following Python code?

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```
d = {0: 'a', 1: 'b', 2: 'c'}  
for x, y in d:  
    print(x, y)
```

- a) 0 1 2
- b) a b c



Q3.

```
d = {0: 'a', 1: 'b', 2: 'c'}
for x, y in d:
    print(x, y)
```

- a) 0 1 2  
 b) a b c  
 c) 0 a 1 b 2 c  
 D. d) none of the mentioned

Error. objects of type int are not iterable.

4. What will be the output of the following Python code?

```
d = {0: 'a', 1: 'b', 2: 'c'}
for x, y in d.items():
    print(x, y)
```

↳ loops over (key, value)

- C. a) 0 1 2  
 b) a b c  
 c) 0 a 1 b 2 c  
 d) none of the mentioned

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5. What will be the output of the following Python code?

```
d = {0: 'a', 1: 'b', 2: 'c'}
for x in d.keys():
    print(d[x])
```

- B. a) 0 1 2  
 b) a b c  
 c) 0 a 1 b 2 c  
 d) none of the mentioned

↳ loops over the keys  
 and print the value.

Q6.

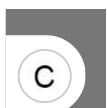
```
d = {0: 'a', 1: 'b', 2: 'c'}
for x in d.values():
    print(x)
```

- B. a) 0 1 2  
 b) a b c  
 c) 0 a 1 b 2 c  
 d) none of the mentioned

↳ loops over the values.

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6. What will be the output of the following Python code?



- a) 0 1 2
- b) a b c
- c) 0 a 1 b 2 c
- d) none of the mentioned

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7. What will be the output of the following Python code?

```
d = {0: 'a', 1: 'b', 2: 'c'}
for x in d.values():
    print(d[x])
```

- D.
- a) 0 1 2
  - b) a b c
  - c) 0 a 1 b 2 c
  - d) none of the mentioned → cause the key error.

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8. What will be the output of the following Python code?

```
d = {0, 1, 2}
for x in d.values():
    print(x)
```

→ set. objects of type set don't have attributes value.

- C.
- a) 0 1 2
  - b) None None None
  - c) error
  - d) none of the mentioned

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9. What will be the output of the following Python code?

```
d = {0, 1, 2}
for x in d:
    print(x)
```

→ loop over the elements of the set and print them.

- A.
- a) 0 1 2
  - b) {0, 1, 2} {0, 1, 2} {0, 1, 2}
  - c) error
  - d) none of the mentioned

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```
d = {0, 1, 2}
for x in d:
    print(d.add(x))
```

- a) 0 1 2  
b) 0 1 2 0 1 2 0 1 2 ...  
c) None None None  
d) None of the mentioned

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Q10.

```
d = {0, 1, 2}
for x in d:
    print(d.add(x))
```

variable x takes the  
value 0, 1, 2.  
`set.add(x)` → None

- a) 0 1 2  
C b) 0 1 2 0 1 2 0 1 2 ...  
c) None None None  
d) None of the mentioned

11. What will be the output of the following Python code?

`for i in range(0):`

B. `print(i)` ↳ range(0) is empty.

- a) 0  
b) no output  
c) error  
d) none of the mentioned

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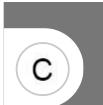
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# Python Questions and Answers – While and For Loops – 5

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1. What will be the output of the following Python code?

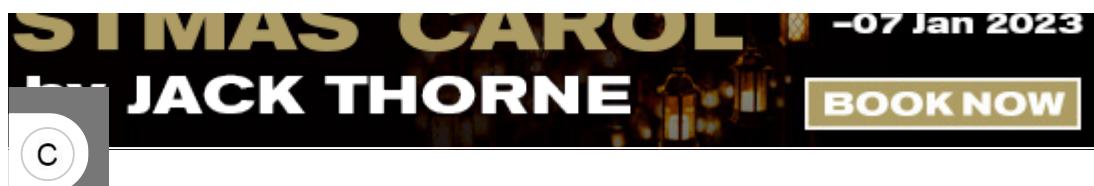
```
for i in range(2.0):  
    print(i)  ← Object of type float cannot be  
              interpreted as an integer.
```

- a) 0.0 1.0
- b) 0 1
- c) error
- d) none of the mentioned

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2. What will be the output of the following Python code?

```
for i in range(int(2.0)):
    print(i)
```

B. a) 0.0 1.0

b) 0 1

c) error

d) none of the mentioned

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3. What will be the output of the following Python code?

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*→ Error. Objects of type float cannot be interpreted as an int.*

```
for i in range(float('inf')):
    print(i)
```

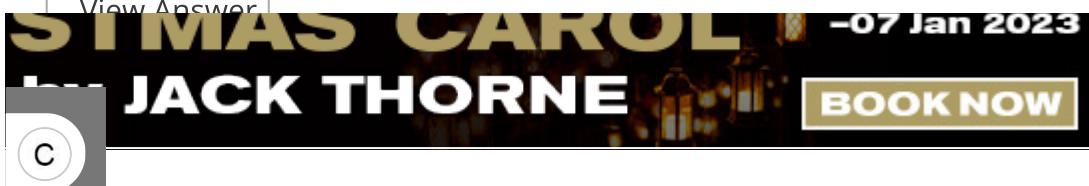
a) 0.0 0.1 0.2 0.3 ...

b) 0 1 2 3 ...

c) 0.0 1.0 2.0 3.0 ...

D. d) none of the mentioned

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Q6.

```
for i in ''.join(reversed(list('abcd'))):
    print (i)
```

'dcba'

- a) a b c d
- b) d c b a**
- c) error
- d) none of the mentioned

4. What will be the output of the following Python code?

```
for i in range(int(float('inf'))):
    print (i)
```

↳ Overflow Error.

- a) 0.0 0.1 0.2 0.3 ...
- b) 0 1 2 3 ...
- D. c) 0.0 1.0 2.0 3.0 ...**
- d) none of the mentioned

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5. What will be the output of the following Python code snippet?

```
for i in [1, 2, 3, 4][::-1]:
    print (i)
```

↳ Reverse the list.

- B.**
- a) 1 2 3 4
  - b) 4 3 2 1**
  - c) error
  - d) none of the mentioned

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6. What will be the output of the following Python code snippet?

```
for i in ''.join(reversed(list('abcd'))):
    print (i)
```

- a) a b c d



d) none of the mentioned

[View Answer](#)

7. What will be the output of the following Python code snippet?

```
for i in 'abcd'[::-1]:
    print(i)
```

B.

- a) a b c d
- b) d c b a
- c) error
- d) none of the mentioned

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8. What will be the output of the following Python code snippet?

```
for i in '':
    print(i)
```

→ the string does not have  
any char to loop over.

B.

- a) None
- b) (nothing is printed)
- c) error
- d) none of the mentioned

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9. What will be the output of the following Python code snippet?

```
x = 2
for i in range(x):
    x += 1
    print(x)
```

for i in range(2)  
x+=1  
3, 4,

Only print twice.

- a) 0 1 2 3 4 ...
- b) 0 1
- c) 3 4
- d) 0 1 2 3

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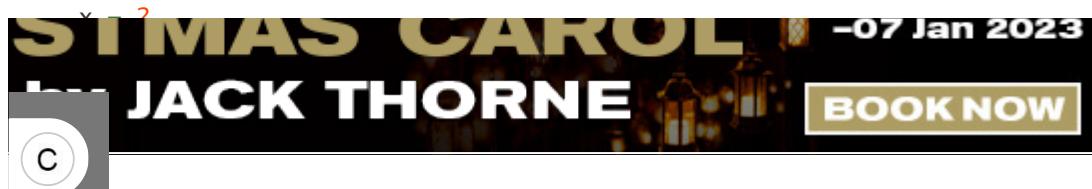
Q10.

```
x = 2
for i in range(x):
    x -= 2
    print(x)
```

2-2=0, 0-2=-2.

- B.
- a) 0 1 2 3 4 ...
  - b) 0 -2
  - c) 0
  - d) error

10. What will be the output of the following Python code snippet?



# Python Questions and Answers – While and For Loops – 6

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This set of Python Technical Questions & Answers focuses on “While/For Loops”.

1. What will be the output of the following Python code?

```
for i in range(10):
    if i == 5:
        break
    else:
        print(i)
```

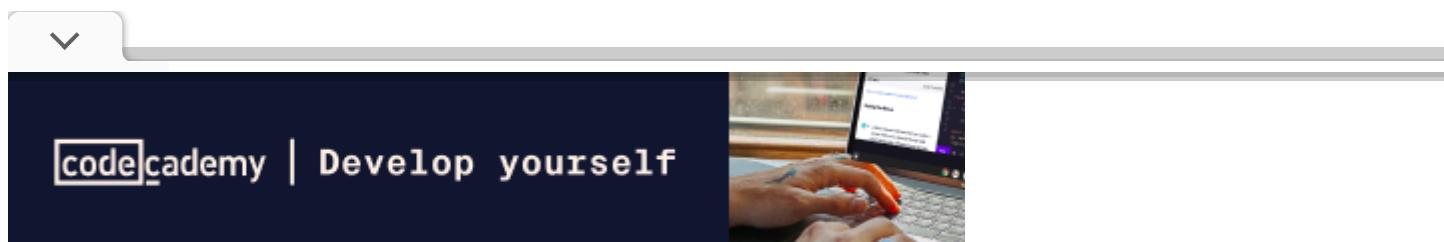
```
else:
    print("Here")
```

- C → the else part is executed  
if control doesn't break out of  
the loop.
- a) 0 1 2 3 4 Here
  - b) 0 1 2 3 4 5 Here
  - c) 0 1 2 3 4
  - d) 1 2 3 4 5

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2. What will be the output of the following Python code?

```
for i in range(5):
    if i == 5:
        break
    else:
        print(i)
else:
    print("Here")
```

A .

- a) 0 1 2 3 4 Here
- b) 0 1 2 3 4 5 Here
- c) 0 1 2 3 4
- d) 1 2 3 4 5

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3. What will be the output of the following Python code?

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```
x = (i for i in range(3)) → creates a generator object.
for i in x:
    print(i)
```

[0, 1, 2]

- A
- a) 0 1 2
  - b) error
  - c) 0 1 2 0 1 2
  - d) none of the mentioned



- a) 0 1 2
- b) error
- c) 0 1 2 0 1 2
- d) none of the mentioned

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Q5.

```
string = "my name is x"
for i in string:
    print(i, end=", ")
```

variable *i* takes the value of 1 char at a time.

A.

- a) m, y, , n, a, m, e, , i, s, , x,
- b) m, y, , n, a, m, e, , i, s, , x
- c) my, name, is, x,
- d) error

4. What will be the output of the following Python code?

```
x = (i for i in range(3))
for i in x:
    print(i)
```

→ Can loop over a generator

b.

- a) 0 1 2
- b) error
- c) 0 1 2 0 1 2
- d) none of the mentioned

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5. What will be the output of the following Python code?

```
string = "my name is x"
for i in string:
    print(i, end=", ")
```

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d) error

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6. What will be the output of the following Python code?

```
string = "my name is x"
for i in string.split():
    print(i, end=", ")
```

→ take 1 word at a time.

a) m, y, , n, a, m, e, , i, s, , x,

C b) m, y, , n, a, m, e, , i, s, , x

c) my, name, is, x,

d) error

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7. What will be the output of the following Python code snippet?

```
a = [0, 1, 2, 3]
for a[-1] in a:
    print(a[-1])
```

→ the value of a[-1]

changes in each iteration.

B a) 0 1 2 3

(b) 0 1 2 2

c) 3 3 3 3

d) error

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8. What will be the output of the following Python code snippet?

```
a = [0, 1, 2, 3]
for a[0] in a:
    print(a[0])
```

a[0]  
the value of a[0] changes in each iteration.

Since the 1st value that it takes is itself.

there's no visible error in the current example.

B a) 0 1 2 3

b) 0 1 2 2

c) 3 3 3 3

d) error

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9. What will be the output of the following Python code snippet?

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```
print(i)
i += 1
```

Q9.

- a) -2 -1  
 b) 0  
 c) error  
 d) none of the mentioned

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9. What will be the output of the following Python code snippet?

```
a = [0, 1, 2, 3]
i = -2
for i not in a:
    print(i)
    i += 1
```

*"not" isn't allowed in for loops.*

a) -2 -1  
 b) 0  
 C) error  
 d) none of the mentioned

*Syntax error.*

10. What will be the output of the following Python code snippet?

```
string = "my name is x"
for i in ' '.join(string.split()):
    print(i, end=", ")
```

*A ↗ i char at a time.*

- a) m, y, , n, a, m, e, , i, s, , x,  
 b) m, y, , n, a, m, e, , i, s, , x  
 c) my, name, is, x,  
 d) error

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