# Quiz review

| | |
|---|---|
| **Started on** | Tuesday, 23 January 2024, 11:41 AM |
| **State** | Finished |
| **Completed on** | Tuesday, 23 January 2024, 11:49 AM |
| **Time taken** | 7 mins 12 secs |
| **Marks** | 5/5 |
| **Grade** | **100** out of 100 |
| **Feedback** | **Congratulations!!! You have passed by securing more than 80%** |

## Question 1

Correct

Mark 1 out of 1

Analyse and find which of the following loops correctly computes 1/2 + 2/3 + 3/4 + ... + 99/100.

A:

```
sum = 0
for i in range(1, 99):
    sum += i / (i + 1)

print("Sum is", sum)
```

B:

```
sum = 0
for i in range(1, 100):
    sum += i / (i + 1)
print("Sum is", sum)
```

C:

```
sum = 0
for i in range(1.0, 99.0):
    sum += i / (i + 1)
print("Sum is", sum)
```

D:

```
sum = 0
for i in range(1.0, 100.0):
    sum += i / (i + 1)
print("Sum is", sum)
```

Select one:

- ○ ABCD

- ○ CD

○ B ✔

○ BCD

○ CDE

Your answer is correct.

Python range() doesn't support the float type. Hence, option C and D are invalid.

Option A is invalid because i  takes values from 1 to 98 -  last fraction in the sequence is 98/99, not 99/100. Option B is correct.

The correct answer is: B

## Question 2

Correct

Mark 1 out of 1

Evaluate the given code and tell which single line of code can be used to replace this sample code?

nums = [1,2,3,4,5,6,7,8,9]

x = 0
for n in nums:

    x = x + n
print(x)

45099

Select one:

○   print(sum(1 to 10))

○   print(sum(range(0,9)))

○   print(sum(range(1,9)))

◉   print(sum(range(1,10)))✔

Your answer is correct.

The code represents the logic for finding the sum of numbers from 1-9.  In this case, range must be from 1-10.  Hence, the right syntax is : print(sum(range(1,10)))

The correct answer is: print(sum(range(1,10)))

45099

45099

**Question 3**

Correct

Mark 1 out of 1

Select the choices that should not appear in the place of EXP - given : for k in EXP:

Select one:

○ a range of float ✔

○ a dictionary

○ a list

○ a string

○ a range of int 45099

Your answer is correct.

A list in the place of EXP will take you through the list elements. A dictionary will take you through the key/value pairs. A string will take you through its characters. A range of integers will take you through the integers within the range. But a range of float in the place of EXP in for is illegal.

The correct answer is: a range of float

45099

45099

**Question 4**

Correct

Mark 1 out of 1

Which statement best describes the behavior of the following expression?
x != 0 and y % x != 0

Select one:

○ It contains a type error

○ It contains a syntax error

○ It causes a run-time error if x is 0

○ It causes a run-time error if x is not 0

● It executes successfully for all values of x ✔

Your answer is correct.
The expression is valid and it executes successfully for all values of x.

The correct answer is: It executes successfully for all values of x

**Question 5**

Correct

Mark 1 out of 1

Analyse and predict the output for the following.

isCorrect = False

print("Correct" if isCorrect else "Incorrect")

Select one:

- ○ Nothing

- ◉ Incorrect ✔

- ○ Correct

- ○ Correct Incorrect

---

Your answer is correct.
"Correct" will get printed only if isCorrect is True. Since isCorrect is False, our output is Incorrect.

The correct answer is: Incorrect

◄ **Window seat or not**

Jump to...

**Pre Quiz - Collection Frameworks** ►