



Name:.....

13/01/2026

The Final Exam in Python

Exercise1 :(6 points) Choose the correct answer.

1-How do you get the length of a list named my_list?

- a) len(my_list) b) my_list.length() c) length(my_list) d) my_list.len()

2-Which function converts a string to lowercase?

- a) lower() b) tolower() c) casefold() d) downcase()

3-What does "Hello".replace("l", "p") return?

- a) "Heplo" b) "Heppo" c) "Helpo" d) "Hepll"

4- What is the output of {"a": 1, "b": 2}.keys()?

- a) ["a", "b"] b) dict_keys(["a", "b"]) c) ["a": 1, "b": 2] d) [1, 2]

5-What does range(5) generate?

- a) [0, 1, 2, 3, 4] b) [1, 2, 3, 4, 5] c) [0, 1, 2, 3, 4, 5] d) [1, 2, 3, 4]

6- What is the output of [x*2 for x in range(3)]?

- a) [0, 1, 2] b) [0, 2, 4] c) [2, 4, 6] d) [0, 2, 4, 6]

Exercise2: (9 points)

A)Provide the outputs of the following Python codes

```
letters = ['a', 'b', 'c', 'd', 'e', 'f', 'g']
```

```
print(letters[:2])
```

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```
print(letters[1:2])
```

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```
print(letters[2:5:2])
```

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B) Correct this code by fixing the syntax errors, and provide the output after running it:

```
for num in range(1, 16)
```

```
    if num % 2 = 0
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```
        prent(num, end=" "
```

the correct code:

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3: Exercise (5 points)

Write a code that, from the list: `list1 = [5, 17, 76, 36, 88, 25, 93, 46, 66]`, returns a new list (list2) containing only numbers greater than 50, while preserving the original order

Answer:

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Good Luck.

Prof: A. Serarma



The model answer for first-term examination in Python

Exercise 1		Points
1	a) <code>len(my_list)</code> - <code>len()</code> function returns the length	1
2	a) <code>lower()</code> - Converts all characters to lowercase	1
3	a) or b) "Heppo" - Replaces all 'l' with 'p' (note: there are two 'l's in "Hello")	1
4	b) <code>dict_keys(["a", "b"])</code> - Returns a view object of keys	1
5	a) <code>[0, 1, 2, 3, 4]</code> - <code>range(5)</code> generates numbers from 0 to 4	1
6	b) <code>[0, 2, 4]</code> - Multiplies each element in <code>range(3)</code> by 2: $0 \times 2 = 0$, $1 \times 2 = 2$, $2 \times 2 = 4$	1
Total		6

Exercise 2		Points
A- <code>['a', 'c', 'e', 'g']</code> <code>['b', 'd', 'f']</code> <code>['c', 'e']</code> B- <code>for num in range(1, 16):</code> <code> if num % 2 == 0:</code> <code> print(num, end=" ")</code> The output: 2 4 6 8 10 12 14		
		1
		1
		1
		5
Total		9

Exercise 3		Points
<code>list1 = [5, 17, 76, 36, 88, 25, 93, 46, 66]</code> <code>list2 = []</code> <code>for item in list1:</code> <code> if item > 50:</code> <code> list2.append(item)</code> <code>print(list2)</code>		0.5
		1
		1
		1
		1
		0.5
Total		5