



Name:.....

13/01/2026

The Final Exam in Python

Exercise1 : (6 points) Choose the correct answer.

1. Which of the following is immutable in Python?
a) List b) Dictionary c) Tuple d) Set
2. What is the output of `print(10 // 3)`?
a) 3 b) 3.333 c) 4 d) 3.0
3. Which method is used to add an element to a set?
a) `append()` b) `insert()` c) `add()` d) `update()`
4. How do you access the value for key "age" in `person = {"name": "Alice", "age": 25}`?
a) `person["age"]` b) `person.get("age")` c) Both a and b d) `person.age`
5. What is the result of `[x for x in range(5) if x % 2 == 0]`?
a) `[0, 1, 2, 3, 4]` b) `[0, 2, 4]` c) `[1, 3]` d) `[2, 4]`
6. Which of the following is a valid tuple?
a) `(1, 2, 3)` b) `[1, 2, 3]` c) `{1, 2, 3}` d) `1, 2, 3`

Exercise2: (9 points)

A) Provide the outputs of the following Python codes

`text = "HelloWorld"`

`print(text[3:7])`

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`print(text[::-2])`

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`print(text.upper())`

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

```
Student-grades = { "Ali": [85, 90, 78], "Bilal": [92, 88, 94], "Selma": [80, 85, 90]}
```

```
Average-grades = {}
```

```
for student, grades in student-grade.items()
```

```
    average = sum(grades) / len(grades)
```

```
    average_grades[student] = round(average, 2)
```

```
print(average-grades)
```

the correct code:

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3: Exercise (5 points)

Write a program that asks the user for a number and prints the multiplication table for that number from 1 to 10. Use a for loop.

Answer:

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Good Luck.

Prof: A. Serarma



The model answer for first-term examination in Python

Exercise 1		Points
1	1-Answer: c) Tuple	1
2	2-Answer: a) 3 (Integer division)	1
3	3-Answer: c) add()	1
4	4-Answer: c) Both a and b (person["age"] or person.get("age"))	1
5	5-Answer: b) [0, 2, 4] (Even numbers in range 0–4)	1
6	6-Answer: a) (1, 2, 3)	1
Total		6

Exercise 2		Points
A-	loWo	1
drWle		1
HELLOWORLD		1
B-		1
student_grades = { "Ali": [85, 90, 78], "Bilal": [92, 88, 94], "Sara": [80, 85, 90]}		
average_grades = {}		
for student, grades in student_grades.items():		
average = sum(grades) / len(grades)		
average_grades[student] = round(average, 2)		
print(average_grades)		
The output:		
{'Ali': 84.33, 'Bilal': 91.33, 'Sara': 85.0}		1
Total		9

Exercise 3		Points
number = int(input("Enter a number: "))		2
for i in range(1, 11):		1.5
print(number, "x", i, "=", number * i)		1.5
Total		5