



Name:

13/01/2026

The Final Exam in Python

Exercise1 :(6 points) Choose the correct answer.

- Which of the following is immutable in Python?
a) List b) Dictionary c) Tuple d) Set
- What is the output of `print(10 // 3)`?
a) 3 b) 3.333 c) 4 d) 3.0
- Which method is used to add an element to a set?
a) `append()` b) `insert()` c) `add()` d) `update()`
- 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`
- 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]`
- 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])
```

.....

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

.....

```
print(text.upper())
```

.....

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- | |
| | student_grades = { "Ali": [85, 90, 78], "Bilal": [92, 88, 94], "Sara": [80, 85, 90]} | 5 |
| | average_grades = {} | |
| | for student, grades in student_grades.items(): | |
| | average = sum(grades) / len(grades) | |
| | average_grades[student] = round(average, 2) | 1 |
| | print(average_grades) | |
| The output: | | |
| { 'Ali': 84.33, 'Bilal': 91.33, 'Sara': 85.0 } | | |
| 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 |