1. قم بعمل برنامج يعرض أسماء الطلاب ودرجاتهم التالية بالشكل التالي

Print the students' names and grades in the following form.

```
student_names = ["Mohamed", "Ahmed", "Ali", "Sara"]

student_grades = [[96, 78, 82, 80], [86, 92, 98, 90],
[76, 88, 90, 72], [78, 86, 98, 88]]
```

```
Student: Mohamed
Grades:
96, 78, 82, 80
------------------
Mohamed has an average grade of 84.00
```

إذا لم توفق للوصول للحل يمكنك السعي مرة أخرى بمساعدة الخطوات التالية

```python
# 1. calculates the average grade for each student in a class
and prints the results like this:

# Output:

# Student: Mohamed

# Grades:

# 96, 78, 82, 80

# --------------------

# Mohamed has an average grade of 84.00

# Calculate the average grade for each student

# print student name and grades

# Calculate the average grade for the student

# Print the average grade for the student
```

```python
student_names = ["Mohamed", "Ahmed", "Ali", "Sara"]
student_grades = [[96, 78, 82, 80], [86, 92, 98, 90], [76, 88,
90, 72], [78, 86, 98, 88]]

# Calculate the average grade for each student
for student, grades in zip(student_names, student_grades):
    # print student name and grades
    print(f"Student: {student}")
    print("Grades: ")
    print(*grades, sep=", ")
    print("-"*20)

    # Calculate the average grade for the student
    average = sum(grades) / len(grades)

    # Print the average grade for the student
    print(f"{student} has an average grade of {average:.2f}")
    print("-"*40)
```

2.باستخدام unpacking operator قم بجعل القوائم التالية داخل قائمة واحدة

Using unpacking operator make these lists into one list

```python
# make these lists into one list using unpacking operator
grades1 = [96, 78, 82, 80]
grades2 = [86, 92, 98, 90]
grades3 = [76, 88, 90, 72]
grades4 = [78, 86, 98, 88]
```

```python
# make these lists into one list using unpacking operator
grades1 = [96, 78, 82, 80]
grades2 = [86, 92, 98, 90]
grades3 = [76, 88, 90, 72]
grades4 = [78, 86, 98, 88]

# add grades to the list
grades = [*grades1, *grades2, *grades3, *grades4]
print(grades)
```