```python
def average_grades(grades: dict[str, list[int]]) -> dict[str, float]:
    """Averages grades."""
    averages: dict[str, float] = {}
    for student in grades:
        total: int = 0
        for grade in grades[student]:
            total += grade
        averages[student] = total / len(grades[student])
    return averages


def main():
    grades1: dict[str, list[int]] = {"Sameera": [95, 94, 87, 100]}
    averages = average_grades(grades1)["Sameera"]
    print(f"Sameera's average grade is: {averages}")


if __name__ == "__main__":
    main()
```

Stack

Globals
average_grades L →
main L →

main
RA L20
RV None
grades1 L →
averages 94.0

average_grades
RA L15
RV L↴
averages L →
student "Sameera"
total 0 95 189 276 376
grade 95 94 87 100
grades L →

Heap

fn 2-10

fn 13-16

dict [str, list[int]]	
"Sameera"	[95,94,87,100]

dict [str, float]	
"Sameera"	94.0

Output

Sameera's average grade is: 94.0