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# P3HW1
# This program takes a number grade , determines average and displays letter grade for average.

# Enter grades for six modules
mod_1 = float(input('Enter grade for Module 1: '))
mod_2 = float(input('Enter grade for Module 2: '))
mod_3 = float(input('Enter grade for Module 3: '))
mod_4 = float(input('Enter grade for Module 4: '))
mod_5 = float(input('Enter grade for Module 5: '))
mod_6 = float(input('Enter grade for Module 6: '))

# Add grades to a list
grades = [mod_1, mod_2, mod_3, mod_4, mod_5, mod_6]

# Determine lowest, highest, sum, and average
low = min(grades)
high = max(grades)
total = sum(grades)
avg = total / len(grades)

# Display results
print("\n-----Results-----")
print(f"Lowest Grade:      {low}")
print(f"Highest Grade:      {high}")
print(f"Sum of Grades:      {total}")
print(f"Average:           {avg:.2f}")
print("-----")

# Determine letter grade
if avg >= 90:
    print("Your grade is: A")
elif avg >= 80:
    print("Your grade is: B")
elif avg >= 70:
    print("Your grade is: C")
elif avg >= 60:
    print("Your grade is: D")
else:
    print("Your grade is: F")

input("Press Enter to exit...")
```