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#3/17/24
#P3HW1
#Grade List revised


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

#Enter grades for six modules
mod = []

mod_1 = int(input('Enter grade for Module 1: '))
mod_2 = int(input('Enter grade for Module 2: '))
mod_3 = int(input('Enter grade for Module 3: '))
mod_4 = int(input('Enter grade for Module 4: '))
mod_5 = int(input('Enter grade for Module 5: '))
mod_6 = int(input('Enter grade for Module 6: '))

print(mod)

#add grades entered to a list

grades = [mod_1, mod_2, mod_3, mod_4, mod_5, mod_6]
#TO DO: determine lowest, highest , sum and average for grades

print()
print("------------------Results----------------------------")

mod_low = min(grades)
print(f"Lowest Grade:            {mod_low}")

mod_high = max(grades)
print(f"Highest Grade:           {mod_high}")

mod_sum = sum(grades)
print(f"Sum of Grade:            {mod_sum}")

mod_avg = mod_sum/6
print(f"Average:                 {mod_avg}")

print("-----------------------------------------------------------------------------")

#Determine letter grade for average


if mod_avg >= 90:
    print('Your grade is: A')
else:
    if mod_avg >= 80:
        print('Your grade is: B')
if mod_avg >=70:
    print('Your grade is: C')
else:
    if mod_avg >= 60:
        print('Your grade is: D')

    if mod_avg <=59:
        print('Your grade is: F')

# TO DO: finish this
```