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import array as arr

n = int(input("Enter total number of students: "))

marks = arr.array('i', [])

def accept():
    for i in range(n):
        x = int(input("\nEnter marks of student : "))
        marks.append(x)

def count_absent():
    return sum(1 for mark in marks if mark == -1)

def calculate_averages():
    total_marks = sum(mark for mark in marks if mark != -1)
    absent_students = count_absent()
    avg_all = total_marks / n
    avg_without_absent = total_marks / (n - absent_students) if (n - absent_students) > 0 else 0
    print(f"\nAverage score (considering all students including absent ones): {avg_all}")
    print(f"Average score (ignoring absent students): {avg_without_absent}")

def find_extremes():
    valid_marks = [mark for mark in marks if mark != -1]
    max_mark = max(valid_marks)
    min_mark = min(valid_marks)
    print(f"\nLowest marks in class: {min_mark}")
    print(f"Highest marks in class: {max_mark}")

def display_highest_frequency():
    freq_dict = {}
    for mark in marks:
        if mark != -1:
            freq_dict[mark] = freq_dict.get(mark, 0) + 1
    if freq_dict:
        most_frequent_mark = max(freq_dict, key=freq_dict.get)
        highest_freq = freq_dict[most_frequent_mark]
        print(f"\nMarks with highest frequency: {most_frequent_mark} (Frequency: {highest_freq})")
    else:
        print("\nNo marks to analyze for frequency.")

def main():

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accept()

print(f"\nNumber of absent students: {count_absent()}")

calculate_averages()

find_extremes()

display_highest_frequency()

main()
```