

PRACTICAL 1

Practical No	Details
1.	<p>Control Flow with if, else, and Loops Write a program to calculate the grade of a student based on marks entered.</p> <ul style="list-style-type: none">• Use if-elif-else conditions to assign grades (e.g., A, B, C, D).• Use a for loop to input marks for 5 subjects and calculate the average.• Use a while loop to ask the user if they want to calculate another student's grade.

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"""

Control Flow with if, else, and Loops Write a program to calculate the grade of a student based on marks entered.

- Use if-elif-else conditions to assign grades (e.g., A, B, C, D).
- Use a for loop to input marks for 5 subjects and calculate the average.
- Use a while loop to ask the user if they want to calculate another student's grade.

"""

while True:

total = 0

print("Enter marks for 5 subjects:-")

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for i in range(1, 6):  
    marks = float(input("Enter marks for subject " + str(i) + ": "))  
    total += marks  
  
average = total / 5  
  
if average >= 90:  
    grade = "A"  
elif average >= 75:  
    grade = "B"  
elif average >= 60:  
    grade = "C"  
elif average >= 40:  
    grade = "D"  
else:  
    grade = "F"  
  
print("Average Marks:", average)  
print("Grade:", grade)  
  
choice = input("Do you want to calculate another student's grade? (yes/no): ")  
if choice.lower() != "yes":  
    break
```

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IDLE Shell 3.11.3
File Edit Shell Debug Options Window Help
Python 3.11.3 (tags/v3.11.3:f3909b8, Apr 4 2023, 23:49:59) [MSC v.1934 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: D:/1400 FYCS C KRISHNA KAMLESH SINGH/PYTHON/PRACTICAL/PRACTICAL 1.py
Enter marks for 5 subjects:-
Enter marks for subject 1: 85
Enter marks for subject 2: 95
Enter marks for subject 3: 75
Enter marks for subject 4: 85
Enter marks for subject 5: 96
Average Marks: 87.2
Grade: B
Do you want to calculate another student's grade? (yes/no): YES
Enter marks for 5 subjects:-
Enter marks for subject 1: 85
Enter marks for subject 2: 96
Enter marks for subject 3: 75
Enter marks for subject 4: 78
Enter marks for subject 5: 98
Average Marks: 86.4
Grade: B
Do you want to calculate another student's grade? (yes/no): NO
>>>
```