

4. Craft a program that prompts the user to input a student's marks(6 marks). The program should then evaluate and print the category of the student's performance based on grade as (Grade A to F).

Percentage \geq 95% A

Percentage \geq 85% B

Percentage \geq 75% C

Percentage \geq 65% D

Percentage \geq 45% E

Percentage $<$ 45% F

#include <stdio.h>

int main()

{

float m1, m2, m3, m4, m5, m6;

float total, percentage;

// Input 6 subject marks

printf("Enter marks for 6 subjects:\n");

scanf("%f %f %f %f %f %f", &m1, &m2, &m3, &m4, &m5, &m6);

// Calculate total

total = m1 + m2 + m3 + m4 + m5 + m6;

// Calculate percentage

percentage = total / 6;

printf("Total Marks = %.2f\n", total);

printf("Percentage = %.2f%%\n", percentage);

// Grade evaluation

if (percentage \geq 95)

printf("Grade A\n");

else if (percentage \geq 85)

printf("Grade B\n");

else if (percentage \geq 75)

printf("Grade C\n");

else if (percentage \geq 65)

printf("Grade D\n");

else if (percentage \geq 45)

printf("Grade E\n");

else

printf("Grade F\n");

return 0;

}