50. C program to accept marks of 3 subjects, calculate the total and average, and display the grade based on the given data:

```
#include <stdio.h>
Int main() {
   Float marks1, marks2, marks3, total, average;
   Char grade;

 // Read the marks for three subjects
   Printf(“Enter the marks for subject 1: “);
   Scanf(“%f”, &marks1);
   Printf(“Enter the marks for subject 2: “);
   Scanf(“%f”, &marks2);
   Printf(“Enter the marks for subject 3: “);
   Scanf(“%f”, &marks3);

   // Calculate total and average
   Total = marks1 + marks2 + marks3;
   Average = total / 3;

   // Determine the grade based on the average
   If (average > 90) {
      Grade = ‘A’;
      Printf(“Average: %.2f%%\n”, average);
      Printf(“Grade: A+\n”);
   } else if (average >= 80 && average <= 90) {
      Grade = ‘A’;
      Printf(“Average: %.2f%%\n”, average);
```

```
        Printf(“Grade: A\n”);
    } else if (average >= 70 && average < 80) {
        Grade = ‘B’;
        Printf(“Average: %.2f%%\n”, average);
        Printf(“Grade: B+\n”);
    } else if (average >= 60 && average < 70) {
        Grade = ‘B’;
        Printf(“Average: %.2f%%\n”, average);
        Printf(“Grade: B\n”);
    } else if (average >= 50 && average < 60) {
        Grade = ‘C’;
        Printf(“Average: %.2f%%\n”, average);
        Printf(“Grade: C\n”);
    } else {
        Grade = ‘F’;
        Printf(“Average: %.2f%%\n”, average);
        Printf(“Grade: F\n”);
    }

    Return 0;
}
```