**PRF192 - Programming Fundamentals Exam**

**Time:** 85 minutes  
**Total Questions:** 10

1. Write a C program that takes two integers as input and prints their sum, difference, product, and quotient.
2. Write a C program that takes a number as input and checks if it is even or odd using an if...else statement.
3. Write a C program that calculates the sum of all even numbers between 1 and 100 using a for loop.
4. Write a function isPalindrome(int num) that checks if a given number is a palindrome (reads the same forward and backward). Call this function from main() to test different numbers.
5. Write a C program that uses pointers to swap the values of two integers without using a third variable.
6. Write a C program that takes a string as input and converts all lowercase letters to uppercase.
7. Write a C program that reverses the elements of an array without using an additional array.
8. Write a C program to find the sum of each row and each column in a 3x3 matrix and print the results.
9. Write a C program that finds and prints the third smallest element in an array of size 10.
10. Define a struct called Student with fields for name, student ID, and three test scores. Write a program that takes input for 3 students and calculates and prints the average score for each student.