Computer Programming Challenges

1. Write C++ program that converts decimal to binary.

2. Develop a program that takes 5 array elements from user. Swap position [2] element with position [4] element.

3. Write C++ program that generates the first 10 Fibonacci Numbers.

4. Write C++ Program that reads string user input, then checks if the input string is Palindrome or not. Palindrome is a word or phrase that reads the same backward as forward. E.g., civic, mom, level

5. Write a program which reads 2 matrices (arrays) and find the multiplication of those 2 matrices first display the 2 matrices and show the result.

6. Find the Average of 10 numbers passed to an array, using function. The Array should be controlled by while loop.

7. Write a Program in C++ that Display the Transpose of a Matrix.

8. Write a Program in C++ that count and display number of vowels from your name.

9. Write a Program in C++ that displays the reverse in upper any alphabetic character. Example if you enter the name abebe the output must be EBEBA.

10. Write code for determining maximum value and minimum value in an array of integers. It should also determine the corresponding array subscripts.

Elias Debelo