C# Programming: Practical 2

*Write C# programs for each of the following. Declare suitable Variables, assign the Values and perform the calculations.*

**Q1 – A library holds 3245 books. It receives a delivery of 120 new books. Write a program that calculates and displays the new total number of books in the library. Your program should display information as follows:**

\*\*\*Book Delivery\*\*\*

Books in Stock Prior to Delivery: 3245

Books Received: 120

Total Books In Stock: 3365

**Q2 – An employee works 12 hours a week at a rate of €7.80. Write a program that will calculate and display the employee’s weekly wage.**

\*\*\*Wage Calculator\*\*\*

Hourly Rate: €7.80

Hours Worked: 12

Weekly Wage (Before Tax): €93.60

**Q3 – A flight lasts 2 hours and 25 minutes. Write a program that will calculate how long the flight takes in minutes. Your program should display information as follows:**

Flight time is 2 hours and 25 minutes.

Flight time in minutes is 145 minutes.

**Q4 – John weighs 174 pounds. Write a program that will calculate and display his weight in stones and pounds.**

* 1 Stone = 14 Pounds.

**Your program should display information as follows:**

\*\*\*Weight Converter\*\*\*

Weight in Pounds: 174 Lbs

Weight in Stones and Pounds: 12 Stone and 6 Lbs

**Q5 – A student achieves the following results:**

**Math: 79%**

**Programming: 99%**

**SQL Scripting: 91%**

**Write a program that will calculate and display the average result.**

**Note: To calculate the average result, you must add all three results together and divide by 3, *i.e. the number of result being added up*.**

**Your program should display information as follows:**

\*\*\*Average Result Calculator\*\*\*

Math: 79%

Programming: 99%

SQL Scripting: 91%

Average: 89.66%