**Assignment 3**

**6- Write a program that allows the user to insert an integer then print all numbers between 1 to that number.**

**Example**

Input: 5

Output: 1, 2, 3, 4, 5

**7- Write a program that allows the user to insert an integer then**

**print a multiplication table up to 12.**

**Example**

Input: 5

Outputs: 5 10 15 20 25 30 35 40 45 50 55 60

**8- Write a program that allows to user to insert number then print all even numbers between 1 to this number**

**Example:**

Input: 15

Output: 2 4 6 8 10 12 14

**9- Write a program that takes two integers then prints the power.**

**Example:**

Input: 4 3

Output: 64

**Hint:** how to calculate 4^3 = 4 \* 4 \* 4 =64

**10- Write a program to enter marks of five subjects and calculate total, average and percentage.**

**Example**

Input: - Enter Marks of five subjects: 95 76 58 90 89

Output: Total marks = 408

Average Marks = 81

Percentage = 81

**11- Write a program to input the month number and print the number of days in that month.**

**Example**

Input: Month Number: 1

Output: Days in Month: 31

**12- Write a program to create a Simple Calculator.**

**13- Write a program to allow the user to enter a string and print the REVERSE of it.**

**14- Write a program to allow the user to enter int and print the REVERSED of it.**

**15- Write a program in C# Sharp to find prime numbers within a range of numbers.**

**Test Data :  
Input starting number of range: 1  
Input ending number of range : 50**

***Expected Output* :  
The prime number between 1 and 50 are :  
2 3 5 7 11 13 17 19 23 29 31 37 41 43 47**

**17- Create a program that asks the user to input three points (x1, y1), (x2, y2), and (x3, y3), and determines whether these points lie on a single straight line.**

**18- Within a company, the efficiency of workers is evaluated based on the duration required to complete a specific task. A worker's efficiency level is determined as follows:**

**- If the worker completes the job within 2 to 3 hours, they are considered highly efficient.**

**- If the worker takes 3 to 4 hours, they are instructed to increase their speed.**

**- If the worker takes 4 to 5 hours, they are provided with training to enhance their speed.**

**- If the worker takes more than 5 hours, they are required to leave the company.**

**To calculate the efficiency of a worker, the time taken for the task is obtained via user input from the keyboard.**