

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.