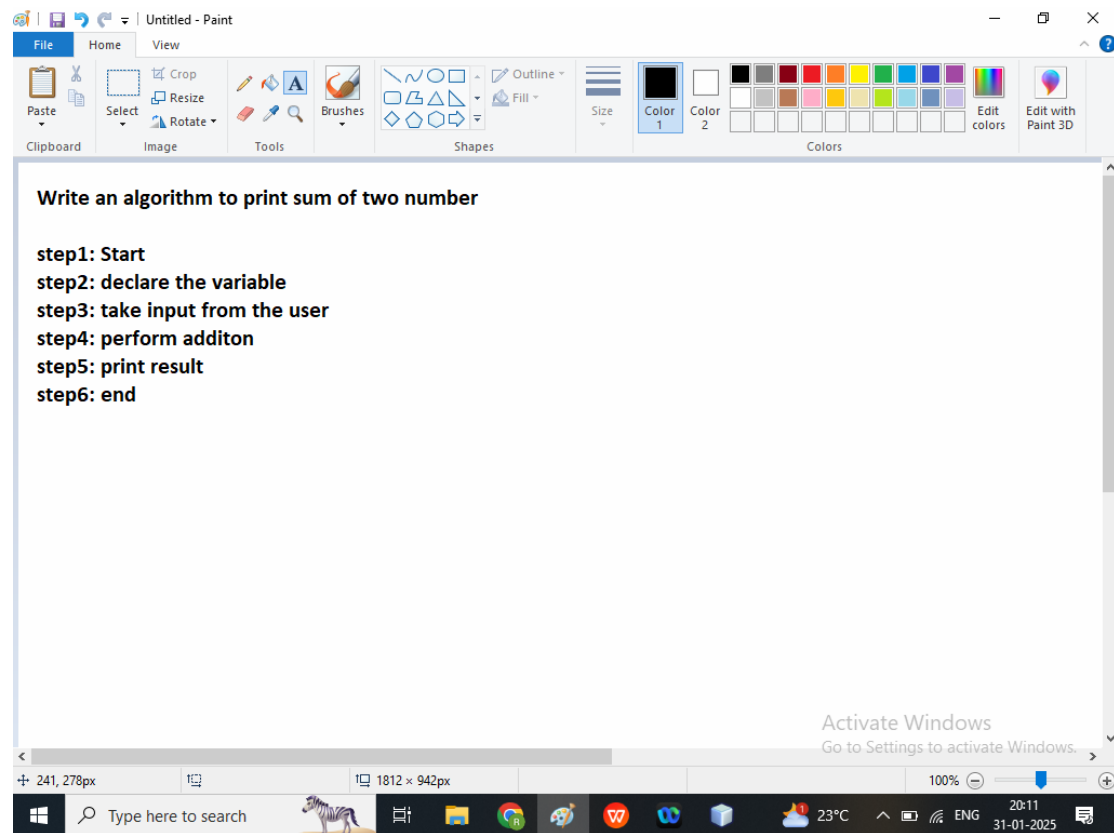


Q1. Explain algorithm in data Structure?

Ans: An Algorithm is a step by step procedure or set of rules to perform some specific task or to solve a particular problem. It consists of a number of finite state of well defined instructions that take inputs, process it, and produce some output



Q2. Write an algorithm to check given number is Perfect number?

Step1: Start

Step2: input a number

Step3: initialize fsum=0

Step4: Loop from 1 to $\leq n/2$

 If i is divisor of $(n \% i == 0)$ then add i to fsum

Step5: Check if fsum is equal to original number(n)

 If $n == fsum$ then print it is Perfect Number

 Else ,print this is not a perfect number

Step6: end