PRACTICAL – 8

PROGRAM -1

AIM- Write a program that reads an integer and displays all its smallest factors in increasing order. For example if input number is 120, the output should be as follows:2,2,2,3,5.

CODE-

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| import java.util.Scanner;  public class Main{  public static void main(String[] args) {  Scanner input = new Scanner(System.in);{  System.out.print("Enter a number: ");  int number = input.nextInt();  int i = 2;  while (i <= number) {  if (number % i == 0) {  System.out.print(i + " ");  number /= i;  } else {  i++;  }  }  }  }  } |

OUTPUT-

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