```
A program which checks whether the number entered is a perfect number.
     A number is perfect if it is equal to the sum of all of its factors
     (excluding itself).
     Example:
           6 = 1 * 2 * 3
              28 = 1 * 2 * 4 * 7 * 14
              ^----- 1 + 2 + 4 + 7 + 14 = 28
                                                      Perfect!
import java.util.Scanner;
class Perfect {
     public static void main (String[] args) {
           System.out.print("Enter a number : ");
           int number = (new Scanner(System.in)).nextInt();
           int sumOfFactors = 0;
           for (int factor = 1; factor < number; factor++)</pre>
                 sumOfFactors += ((number % factor) == 0)? factor : 0;
           System.out.println((number == sumOfFactors)
                            ? "Perfect number!" : "Not a Perfect number!");
     }
}
     Variable Description :
     ______
                                            | Purpose
     Serial no. | Variable name | Data type
     int
           l number
                                            | Stores the number
                                           | entered
            sumOfFactors | int
                                        | Stores the sum of
                                            | the factors of (number)
             -1
       3  | factor  | int  | Stores each possible  | factor of (number)
```