

```

public class Perfect {

    public static void main (String[] args) {

        // requesting an int and defining it as num
        int num = Integer.parseInt(args[0]);

        //defining a string and an int
        String print = num + " is a perfect number since " + num + " = ";
        int sum = 0;

        // locking for all the devisors of a number and storing the sum of them
        // in sum a list of them in print
        for(int i = 1; i<num ; i++){
            if(num%i == 0){
                if(i == 1 ){
                    print = print + i ;
                }
                else{
                    print = print + ( " + " + i );
                }
                sum = sum +i;
            }
        }

        // cheking if the number is perfect if it is printing String num
        //else printing the number an saying its not perfect
        if (sum == num){
            System.out.println(print);
        }
        else{
            System.out.println(num + " is not a perfect number");
        }
    }
}

```

}

}

}