

Day 16 coding Statement : Write a program to identify if the number is Perfect number or not

Description

Get the input from the user and check whether that number is a perfect number or not.

Input : 28

Output : Perfect Number

Input : 4

Output : Not a perfect number.

```
package com.talentbattle.codingchallenge;

import java.util.Scanner;

public class Perfect_Number {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        Scanner scan = new Scanner(System.in);
        System.out.println("Enter a Number ");
        int n = scan.nextInt();
        int sum=0;

        for(int i=1;i<=n/2;i++) {

            if(n%i ==0) {

                sum=sum +i;
            }

        }

        if(sum == n)
        {
            System.out.println("Perfect Number");
        }
        else
        {
            System.out.println("Not a Perfect Number");
        }

    }

}
```

