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撰寫一個程式讀入一個介於100 - 999的數字，然後顯示它的每位數和、積和差。例如932的每位數和是14、每位數積是54、每位數差是4。(百位數減十位數再減個位數)

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package com.company;

import java.util.Scanner;

import java.lang.String;

public class Main {

public static void main(String[] args) {

Scanner input = new Scanner(System.in);

System.out.print("請輸入一個介於100~999的數字：");

int number = input.nextInt();

if(number >= 100 && number <= 999){

int[] num\_arr = new int[3];

for(int i=0; i<3; i++){

num\_arr[2-i] = number%10;

number = (number - number%10)/10;}

int sum = num\_arr[0] + num\_arr[1] + num\_arr[2];

int diff = num\_arr[0] - num\_arr[1] - num\_arr[2];

int product = num\_arr[0]\*num\_arr[1]\*num\_arr[2];

System.out.println("每位數和=" + sum);

System.out.println("每位數差=" + diff);

System.out.println("每位數積=" + product);

}

else

{System.out.println("輸入錯誤，結束程式");}

}

}