

<https://my.newtonschool.co/playground/code/1xmittg1fobd>

Newton School

Back Dishes - Operators - In Class by Lohitakh

Question Status

Dishes **easy** View Solution

Time Limit: 2 sec
Memory Limit: 128000 KB

Problem Statement

Sheldon and Leonard are gone for lunch but none of them have money so they decided to wash dishes. In total, they washed T dishes from which N dishes are washed by Leonard. Now Leonard wants to know the number of dishes Sheldon washed. Help him to find it.

Input

The first line of the input contains N and T

Constraints-

$1 \leq N \leq T \leq 1000$

Output

Return the number of dishes Sheldon washed.

Example

Sample Input:-

Handwritten notes on the problem statement:

$T = 100$
 $N = 60$
Leonard: 60
Sheldon: ?
 $100 - 60 = 40$
i.e. $(T - N)$
 $6 - 3 = 3$
 $4 - 2 = 2$

```

1 import java.io.*; // for handling input/output
2 import java.util.*; // contains Collections framework
3
4 // don't change the name of this class
5 // you can add inner classes if needed
6 class Main {
7     public static void main (String[] args) {
8         // Your code here
9         Scanner sc = new Scanner(System.in);
10        int N, T;
11        N = sc.nextInt();
12        T = sc.nextInt();
13        System.out.println(T-N);
14    }
15 }

```

Input: 1 3
Output: 2

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my.newtonschool.co/lecture/t19ca5n6baf/rj/live/

REC

eg: NITIN, KANAR, MALAYALAM, RACECAR, 121, 1221 etc.

Logic: $no = 125 \rightarrow 10 \mid 125 \rightarrow 12$
 $125 - 10 = 115$
 $115 - 10 = 105$
 $105 - 10 = 95$
 $95 - 10 = 85$
 $85 - 10 = 75$
 $75 - 10 = 65$
 $65 - 10 = 55$
 $55 - 10 = 45$
 $45 - 10 = 35$
 $35 - 10 = 25$
 $25 - 10 = 15$
 $15 - 10 = 5$
 $5 \rightarrow no \% 10 \rightarrow it gives last digit$

eg: $no = 1221$
Copy = no;
Sum = 0

while($no \neq 0$)

① $rem = no \% 10$ i.e. $1221 \% 10 = 1$
 $sum = (sum * 10) + rem$ i.e. $(0 * 10) + 1 = 1$
 $no = no / 10$ i.e. $1221 / 10 = 122$

② $rem = no \% 10$ i.e. $122 \% 10 = 2$
 $sum = (sum * 10) + rem$ i.e. $(1 * 10) + 2 = 12$
 $no = no / 10$ i.e. $122 / 10 = 12$

③ $rem = no \% 10$ i.e. $12 \% 10 = 2$
 $sum = (sum * 10) + rem$ i.e. $(12 * 10) + 2 = 122$
 $no = no / 10$ i.e. $12 / 10 = 1$

④ $rem = no \% 10$ i.e. $1 \% 10 = 1$
 $sum = (sum * 10) + rem$ i.e. $(122 * 10) + 1 = 1221$
 $no = no / 10$ i.e. $1 / 10 = 0$

if copy = sum
palindrome
else
Not Pal.

Chat

To everyone

Lohitakh just now
hume bhi jannan hai aise logics banana sir, koi playground bataiye for daily coding related to course & logic building sir

Akshay Kumar just now
yes sir

Arunangshu Mullick just now
Thik sir

Neha Tiwari just now
Yes sir

Juhi Fukatkar just now
Clear

Akshay Kumar just now
mujhse bhi pehle ye mistake hui thi

Neha Tiwari just now
AP dijiye ashirwad sir g...kuch Sikh Jaye hm b

Message...

Stop Sharing Expand Preview

Screen - Dr. Darsha... (you)

← → NS 28 Feb 2023

```
J Main.java 1 x
J Main.java > JavaHungry > show()
43 {
44     String name = "Darshan"; // Akshay Kumar of Bollywood
45     int age = 35;
46
47     void show()
48     {
49         String name = "Mac"; // Our class ka Akshay Kumar
50         int age = 2;
51         System.out.println("Name is: "+name);
52         System.out.println("Age is: "+age);
53         System.out.println("Name is: "+this.name);
54         System.out.println("Age is: "+this.age);
55     }
56 }
57
58 class Main
59 {
```

Variable Overriding this pointer in Java

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL

```
Name is: Mac
Age is: 2
Name is: Darshan
Age is: 35
(base) ingledarshan@192 NS 28 Feb 2023 %
```

Ln 54, Col 49 Spaces: 4 UTF-8 LF () Java

← → NS 28 Feb 2023

```
J Main.java x
J Main.java > Main
95 // // Functions with parameters
96
97
98 // // Functions with parameters
99 class Addition
100 {
101     void sum(int a, int b)
102     {
103         int c;
104         c = a+b;
105         System.out.println("Addition= "+c);
106     }
107 }
108
109 // Main class
110 class Main
111 {
112     Run | Debug
113     public static void main(String[] args)
114     {
115         Addition o1 = new Addition();
116         o1.sum(100,400);
117     }
118 }
119
```

Addition

sum(int a, int b)
{ c=a+b
print c

01

sum(int a, int b)
{ c=a+b;
print c;

100, 400

Ln 110, Col 14 Spaces: 4 UTF-8 LF () Java

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J Main.java ×

J Main.java > Calculator

```
135 }
136
137 void multiply(int a, int b)
138 {
139     int c;
140     c = a*b;
141     System.out.println("Multiplication = "+c);
142 }
143
144 void division(int a, int b)
145 {
146     int c;
147     c = a/b;
148     System.out.println("Division = "+c);
149 }
150
151 void modulo(int a, int b)
```

Calculator

Sum (int a, int b)
diff (—))
multiply (—))
division (—))
modulo (—))

13
9
22
5
1

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Addition = 13
Difference = 9
Multiplication = 22
Division = 5
Modulo = 1

○ (base) ingledarshang@192 NS 28 Feb 2023 %

Ln 150, Col 1 Spaces: 4 UTF-8 LF () Java

<https://scratch.mit.edu/projects/editor/?tutorial=getStarted>



