print the pattern-1

```
Hello
World.
I
am
here.
```

println("Hello")

println("World.")

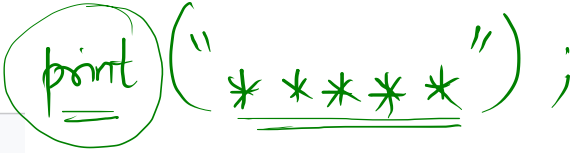
println("I")

println("am")

println("here.")

```java
import java.io.*;
import java.util.*;

public class Solution {

    public static void main(String[] args) {
        System.out.println("Hello");
        System.out.println("World.");
        System.out.println("I");
        System.out.println("am");
        System.out.println("here.");
    }
}
```

print star pattern-1



Problem | Submissions | Leaderboard

In this challenge, you have to print the star pattern given below.

```
*****
```

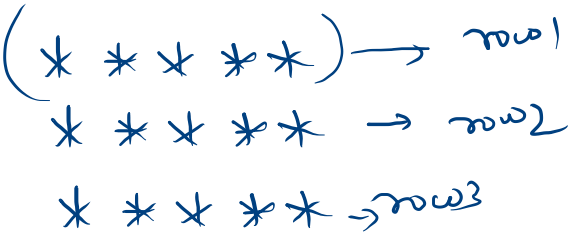
```java
import java.io.*;
import java.util.*;

public class Solution {

    public static void main(String[] args) {
        System.out.print("*****");
    }
}
```

print star pattern-2

Problem | Submissions | Leaderboard

In this clallenge, you have to print the star pattern given below.

```
*****
*****
*****
```

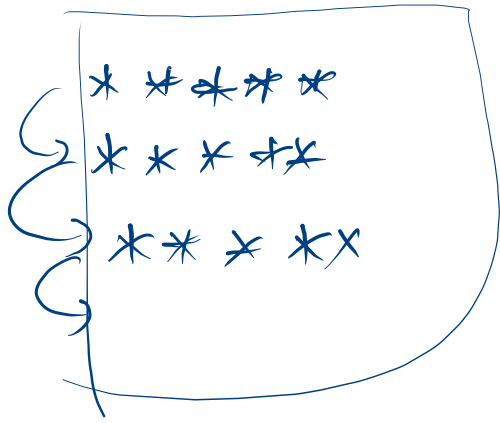


→ 1 printh statement.

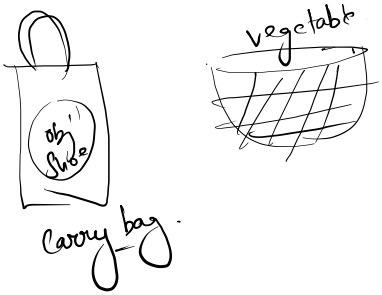
→ 2

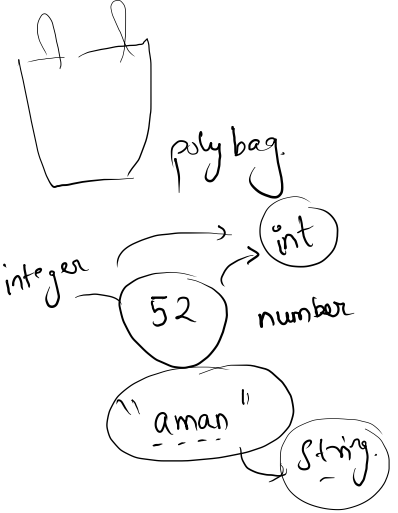
3

```java
import java.io.*;
import java.util.*;

public class Solution {

    public static void main(String[] args) {
        /* Enter your code here. Read input f
        System.out.println("*****");
        System.out.println("*****");
        System.out.println("*****");
    }
}
```



Variables






```
age = 52;
```

age

int

different type of data-type.

```
int age = 52;
```

integer

int → data-type

age → variable name

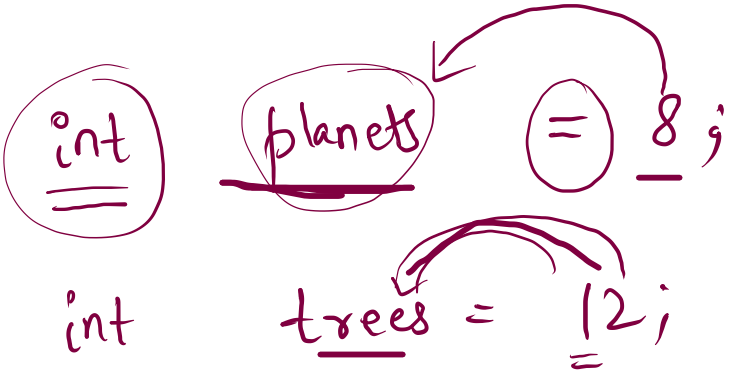
52 → value of variable.

```
int totalStudents = 70;
```

int → dT

totalStudents → var name

70 → val of variable


int planets = 8;
int trees = 12;

Sum and Difference of x and y

You will be given two integers x and y. You have to print the sum of x and y in the first line, and the difference of x and y in the second line.

First integer input should be stored in x, Second integer input should be stored in y.

ip

x y

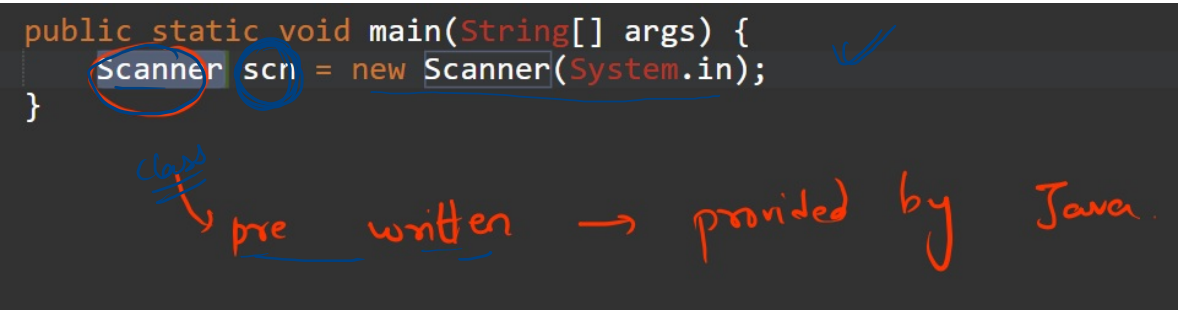
What?

How?

x + y

x - y

How to take input?


public static void main(String[] args) {
Scanner scn = new Scanner(System.in);
}
Class
pre written → provided by Java.
to take input.

Sum and Difference of x and y

You will be given two integers x and y. You have to print the sum of x and y in the first line, and the difference of x and y in the second line.

First integer input should be stored in x, Second integer input should be stored in y.

Input Format

In the first line the value of x will be given and in the second line the value of y will be given.

x = 1st input

y = 2nd input

Constraints

Only integers will be given as input.

Output Format

Sum of x and y will be printed in the first line i.e x+y Difference of x and y will be printed in the second line i.e x-y

x+y
x-y

Sample Input 0

```
40
10
```

provided by (as input)

hackerrank to test your code

x = 40

y = 10

Sample Output 0

o/p → you

```
50
30
```

40+10

40-10

Solution.

Algorithm.

1. x, y } i/p. ✓

2. $x+y$, $x-y$ } o/p. ✓

```java
import java.io.*;
import java.util.*;

public class Solution {

    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        int x = scn.nextInt();
        int y = scn.nextInt();

        System.out.println(x + y);
        System.out.println(x - y);
    }
}
```

submit

9:33pm → 9:36pm

compulsory

x = 40

y = 10

40 + 10 → 50

40 − 10 → 30

Hello

Area and Perimeter

Take length and breadth of the rectangle as input. And print area of the rectangle in the first line and perimeter of the rectangle in the second line.

Input Format

In the first line, length of the rectangle is given as input. In the second line, breadth of the rectangle is given as input.

Constraints

Inputs will be given in integer format. 1<= length <= 2^31 - 1 1 <= breadth <= 2^31 - 1

Output Format

In the first line Area of the rectangle should be printed. In the second line perimeter of the rectangle should be printed.

Sample Input 0

```
10
20
```

Sample Output 0

```
200
60
```

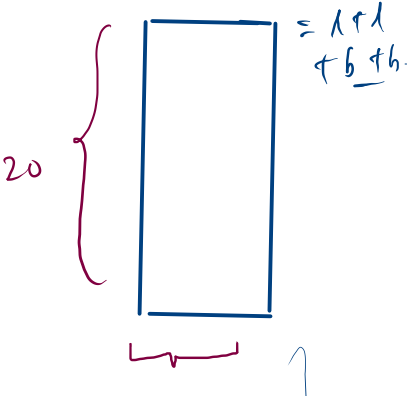
$2(l+b)$

$= l+l+b+b$

what?

$l = 10$

$b = 20$



$area = l * b = 10 \times 20$

$= 200$

$perimeter = 2(l+b)$

$= l+l+b+b = 10+20+10+20$

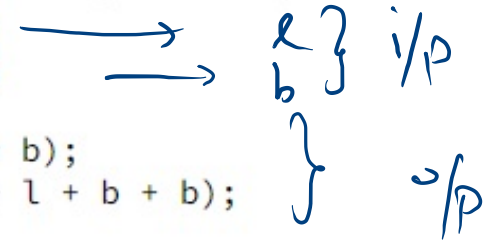
$= 60$

Algo

1. l, b } i/p

2. l*b
   l+l+b+b } o/p

```java
import java.io.*;
import java.util.*;

public class Solution {

    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        int l = scn.nextInt();
        int b = scn.nextInt();

        System.out.println(l * b);
        System.out.println(l + l + b + b);
    }
}
```



Fahrenheit and Celsius

You will be given Fahrenheit as input that should be stored in a double variable and print your answer in Celsius of data-type double.

Input Format

In each test case, you will get Fahrenheit as input.

Constraints

Fahrenheit will be given as a double data-type.

Output Format

For each test-case, you have to print Celsius in the double format.

Sample Input 0

```
32.0
```

Sample Output 0

```
0.0
```

far = i/p

double?

cel } o/p

double

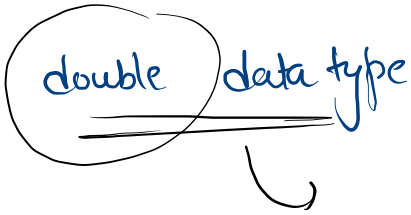
F → C } formula

32.0 → 0.0

formula

$$\frac{(F - 32) \times 5}{9} = C$$

$$\frac{(32 - 32) \times 5}{9} = \frac{0}{9} = 0.0$$



if you want to deal with decimal value

use

double

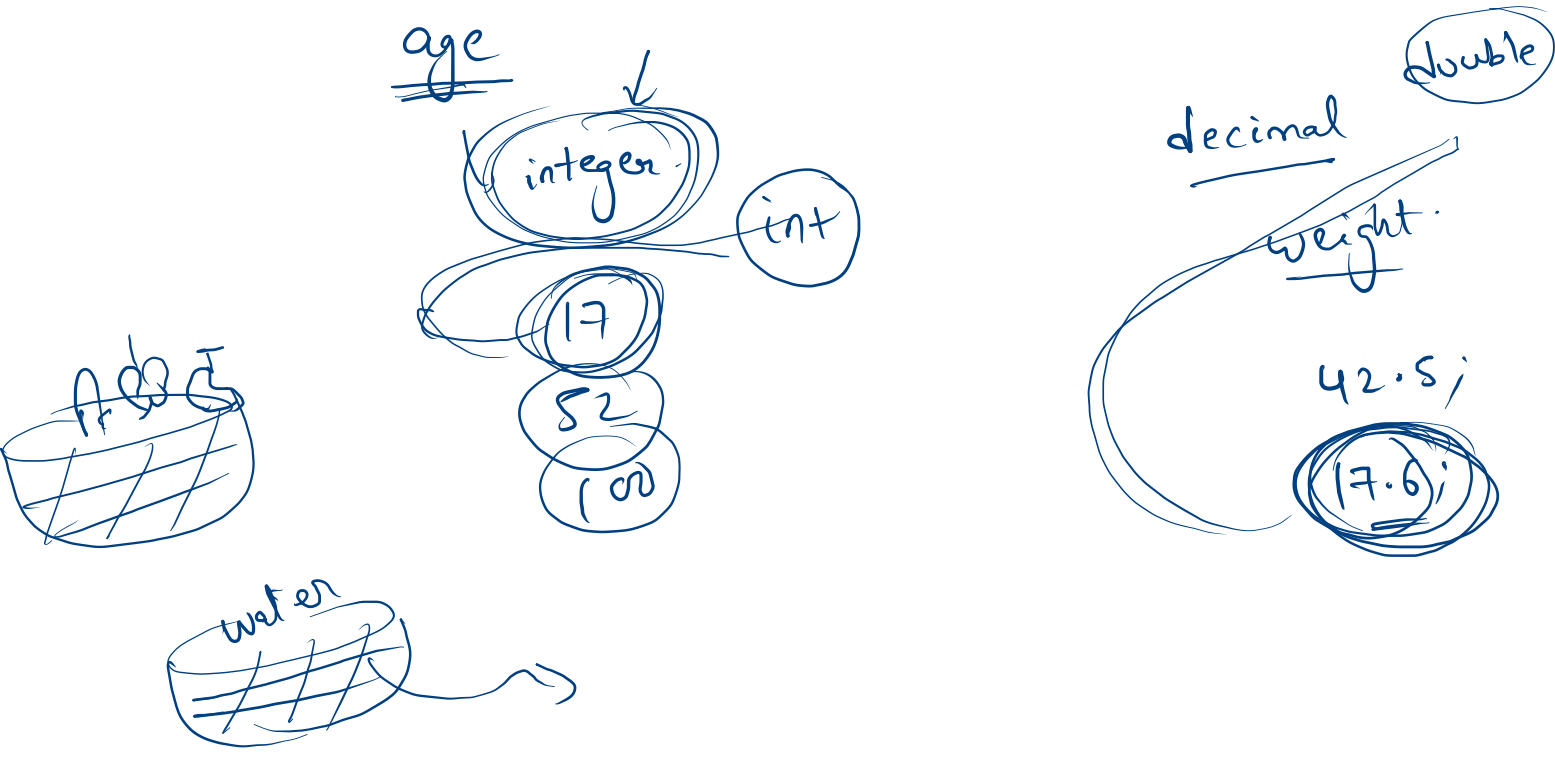
double weight = 100.2;

integer

int

int

```java
import java.io.*;
import java.util.*;

public class Solution {

    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        double far = scn.nextDouble();

        System.out.println(((far - 32) * 5)/ 9);


    }
}
```


age
integer
int
17
52
100
decimal
double
weight
42.5;
17.6;
water