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Login

Write a program that recognizes the following users:

username	password	
alex	sunshine	
emma	haskell	

The program either shows a personal message or informs of an incorrect username or password.

Enter username: alex Enter password: sunshine

You have successfully logged in!

Enter username: emma

You have successfully logged in!

Enter username: alex

Enter password: haskell

Enter password: thunderstorm Incorrect username or password! Sample output

Sample output

Sample output

NB! You can't compare strings with ==!

NB! Logins should not be implemented like this in real life! You can become familiar with safer ways to implement logins on courses focusing on web programming.

Line by line

Write a program that reads strings from the user. If the input is empty, the program stops reading input and halts. For each non-empty input it splits the string input by whitespaces and prints each part of the string on a new line.



AV Club

Write a program that reads user input until an empty line. For each non-empty string, the program splits the string by spaces and then prints the pieces that contain av, each on a new line.

```
java is a programming language
java
navy blue shirt
navy
```

Do you have a favorite flavor have

favorite flavor

was it a cat?

Tip! Strings have a **contains**-method, which tells if a string contains another string. It works like this:

```
String text = "volcanologist";

if (text.contains("can")) {
    System.out.println("can was found");
}

if (!text.contains("tin")) {
    System.out.println("tin wasn't found");
}
```

can was found tin wasn't found Sample output

Sample output

11

First words

Write a program that reads user input until an empty line is entered. For each nonempty line the program splits the string by spaces prints the first part of the string.

Sample output

one two three four

one

this is a very important message

this

LastWords

Write a program that reads user input until an empty line is entered. For each nonempty line the program splits the string by spaces prints the last part of the string.

```
Sample output
one two three four
four
this is a very important message
message
```

Tip! You can find out the length of the array like this:

```
String[] parts = {"one", "two", "three"};
System.out.println("Number of parts: " + parts.length);
```

Number of parts: 3

Sample output

Age of the oldest

Write a program that reads names and ages from the user until an empty line is entered. The name and age are separated by a comma.

After reading all user input, the program prints the age of the oldest person. You can assume that the user enters at least one person, and that one of the users is older than the others.

sebastian,2
lucas,2
lily,1
hanna,5
gabriel,10
Age of the oldest: 10

Name of the oldest

Write a program that reads names and ages from the user until an empty line is entered. The name and age are separed by a comma.

After reading all user input, the program prints the name of the oldest person. You can assume that the user enters at least one person, and the that one of the users is older than the others.

sebastian,2

lucas,2

lily,1

hanna,5

gabriel,10

Name of the oldest: gabriel

Personal details

Write a program that reads names and birth years from the user until an empty line is entered. The name and birth year are separated by a comma.

After that the program prints the longest name and the average of the birth years. If multiple names are equally longest, you can print any of them. You can assume that the user enters at least one person.

sebastian,2017

lucas,2017

lily,2017

hanna,2014

gabriel,2009

Longest name: sebastian

Average of the birth years: 2014.8

Sample output

Sample output

sauli,1948

tarja,1943

martti,1936

mauno,1923

urho,1900

Longest name: martti

Average of the birth years: 1930.0