

Important Contest Instructions

Please read the following instructions carefully. They contain important information on how to write your programs, how to run them and how to prepare them for submission.

Language Versions

The judges will be using the following versions for each of our supported languages.

Language	Version
Java	21.0.2
Python	3.12
C	13.2
C++	13.2

Java

Your program source file name must be named **probXX.java** and your class name must be **probXX**, where **prob** is all lower case and **XX** corresponds to the two digit problem number.

- Example class name: `public class prob01`
- Example source file name: `prob01.java`

Java programs can rely on the standard Java library.

Python

We recommend naming your program **probXX.py** (where **XX** corresponds to the two digit problem number).

Python programs can rely on the standard python library.

C / C++

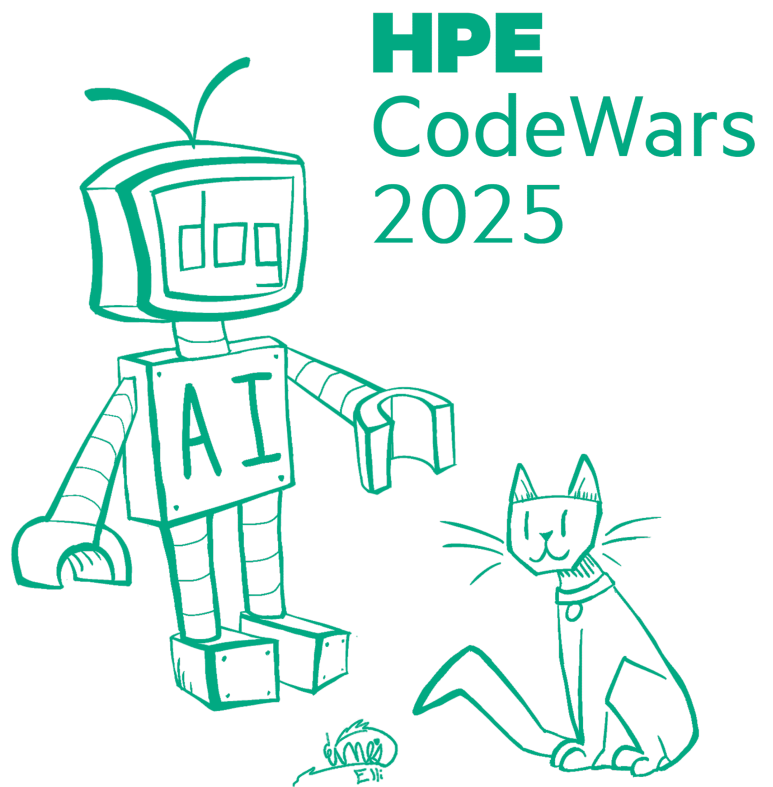
We recommend naming your program source file **probXX.c** or **probXX.cpp** (where **XX** corresponds to the two digit problem number).

C or C++ programs must be submitted as source files and can rely on glibc/libm and the standard headers.

Download our "C/C++ Developers Guide" from <https://hpecodewars.org/downloads>

Note

If there is a discrepancy between a data set in the problem statement and the data set file (for either input or output), please consider the data set file to be correct! We will announce any errata as needed.



Program Input

Most programs will require input. You have two options, File Input or Keyboard Input. Some problems may require Directory Input.

File Input

Your program may read input from a file named **input.txt** for all problems. The file will be in the same directory as your program. Use `"input.txt"` as the filename and **do not prefix it with a path**.

Download our "Guide to data file I/O" from <https://hpecodewars.org/downloads>

Keyboard Input

Your program may read input from standard in (the keyboard). Do **not** include any prompts in your output. There are two options to provide input to your program via standard in (the keyboard).

- (1) The preferred option is to redirect the contents of a file to standard in of your program.

```
java prob01 < input.txt
python prob01.py < input.txt
prob01.exe < input.txt
```

- (2) Otherwise you may type everything manually, or copy/paste from the data set files.

Tip: Type `Ctrl-Z <return>` to signal the end of keyboard input.

Directory Input

For some problems, you will need to read from a directory (folder) named `"files"`. The directory will be in the same directory as your program. The student dataset includes a new directory called `"files"`. **MOVE IT** to the same directory as your program.

Use `"files"` as the its name and do not prefix it with a path. The judges will also place the `"files"` directory in their testing directory.

Download our "Guide to Directory I/O" from <https://hpecodewars.org/downloads>

Program output

Your program must send the output to the screen (standard out, the default for any print statement). Do **not** include any prompts for input in the output! The only output for your program should be the expected output for the given problem.

Testing your program

Test your program like a judge will with the Python Check Program script (`checkProgram.py`) in the student ZIP file. The script will automatically run your program with each data set for that problem. See `README.txt` in the student ZIP file for more details.

We strongly encourage you to test your program with all data sets in the `student_datasets` directory of the student ZIP file!

Online Code Submission

Programs will be submitted through the contest site using a text box (with a large character limit, don't worry!) instead of a file upload. You will need to copy and paste the program from your local source code file into the text box. Once you select the problem number and language from the respective drop-downs, you can submit the program for judging.

Input

There is no data file to read in for this (and only this) problem.



Output

Print this, exactly as shown:

```
The battle bus has launched!
```

Discussion

This is the only problem in the packet which does not require you to read data in from a file.

These first two problems are intended to help you check that your setup is working to produce code which will run on the judges' systems. Common problems found every year which will cause the judges to fail your coding for this problem include:

- Including a package reference in a Java class
- Not naming your Java class to match the problem (this is only an issue for Java coders)
- Including libraries not available in the standard library set (this affects everyone -- only vanilla standard libraries are allowed for the contest!)
- Using an IDE (such as BlueJ) which hides the rest of the coding needed for your program to run outside of that IDE
- Hardcoding paths in your code which only exist on your computer (affects everyone)

As a new commander for House Harkonnen, Mentat Hayt has some instructions for you.

Input

You will receive one name on a single line. It will not contain spaces or punctuation (even if the proper spelling of the name would include them).

LadyJessica



Output

Print to the screen the following text. **The only part of the text which should change is the NAME!**

```
It is by will alone I set my mind in motion.
It is by the juice of sapho that thoughts acquire speed,
the lips acquire stains.
The stains become a warning.
It is by will alone I set my mind in motion.
I'm going to let you in on a secret, LadyJessica.
Things aren't going so well for the Harkonnen.
Are we to sit back and watch as the Emperor gives away Spice that is rightfully ours?
Cheer as the Atreides take our Imperial Basin?
Go. Take some men and mine everything.
```

Discussion

Be sure to run your solution against **all** of the student data sets. They have DIFFERENT names.

Additional Example

Input 2	Output 2
Chani	<pre>It is by will alone I set my mind in motion. It is by the juice of sapho that thoughts acquire speed, the lips acquire stains. The stains become a warning. It is by will alone I set my mind in motion. I'm going to let you in on a secret, Chani. Things aren't going so well for the Harkonnen. Are we to sit back and watch as the Emperor gives away Spice that is rightfully ours? Cheer as the Atreides take our Imperial Basin? Go. Take some men and mine everything.</pre>