

Java Software Development Homework 3

Deadline: 2017/03/23 23:55

- A special number is a positive integer which prime factors only include 2, 3, 5
- Write a program to determine whether a given number is a special number, and find the nth one.
- For example, 1, 2, 3, 4, 5, 6, 8, 9, 10, 12 is the sequence of the first 10 special numbers.
- Given an equation X=M, you should print whether M is a special number. Or given another equation Y=N, you should print the Nth special number.
- For example:
 - Given X=5, you should print true.
 - Given Y=9, you should print 10.

Sample Input and Output

Keyboard Input	X=8
Output	true

Keyboard Input	X=13579
Output	false

Keyboard Input	Y=10
Output	12

Keyboard Input	Y=999
Output	51018336

Submission

- Please archive your source code to STUDENT_ID.zip (download the example zip file from Moodle) and upload to Moodle before deadline.
- Your zip file should follow the following format.

```
STUDENT_ID.zip
|- src
|- META-INF
|- MANIFEST.MF
```

- All the source files (*.java) are put in the src directory.
- The entry point (i.e. main class) of the program is specified in the MANIFEST.MF file.
- No late submission is accepted.

 If you have any problem about this homework,
 please contact TA: 黃琪恩 (tony4794@gmail.com)