PCS 408

TASK 6

1.Implement a java program to accept and print the employee details during runtime. The details will include employee id, name, dept\_ Id. The program should raise an exception if user inputs incomplete or incorrect data. The entered value should meet the following conditions:

(i) First Letter of employee name should be in capital letter.

(ii) Employee id should be between 2001 and 5001

(iii) Department id should be an integer between 1 and 5.

If the above conditions are not met then the application should raise specific exception else should complete normal execution.

2.Create a class MyCalculator which consists of a single method power(int, int).

This method takes two integers, n and p, as parameters and finds np .

If either n or p is negative, then the method must throw an exception which says "n and p should be non-negative".

Input Format

Each line of the input contains two integers, n and p .

Output Format

Each line of the output contains the result ,if neither of n and p is negative.

Otherwise the output contains "n and p should be non-negative".

Sample Input

3 5

2 4

0 0

-1 -2

-1 3

Sample Output

243

16

java.lang.Exception: n and p should not be zero.

java.lang.Exception: n or p should not be negative.

java.lang.Exception: n or p should not be negative.

Explanation

In the first two cases, both n and p are positive. So, the power function returns the answer correctly.

In the third case, both n and p are zero. So, the exception, "n and p should not be zero.” is printed.

In the last two cases, at least one out of n and p is negative. So, the exception, "n or p should not be negative.” is printed for these two cases.