Project 4: Matrix Multiplication

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1. Object:

Write a program that calculates the matrix multiplication with all the situation considering. You can see the detail in the end of chapter 4 of OPERATING SYSTEM CONCEPTS WITH JAVA(Seventh Edition), page 162...

2. Screen Cut:

We utilizing mutli-thread technic to calculating matrix multiplication. In this project, we can choose input matrix A and B as we need, only should satisfy the number of column of A is the same as the number of row of B. The calculating is using float, so don't worry about the forced-type transition.

```
😵 🖨 👨 wu@wu: ~/Desktop/javaProject/matrixMultiplication/src
wu@wu:~/Desktop/javaProject/matrixMultiplication/src$ java Project8
Please input ROW_A, COL_A(The limit is 9*9):
Please input Matrix A:
1 1
2 1
3 2.2
Please input ROW_B, COL_B(The limit is 9*9):
Please input Matrix B:
5.2
2.5
With A * B, here is Matrix C:
7.70
12.90
21.10
Continue?(y/n)
Please input ROW_A, COL_A(The limit is 9*9):
Please input Matrix A:
1 2 3
Please input ROW_B, COL_B(The limit is 9*9):
Please input Matrix B:
5 6
8 9
With A * B, here is Matrix C:
36.00 44.00
24.00
        36.00
Continue?(y/n)
wu@wu:~/Desktop/javaProject/matrixMultiplication/src$
```

Fig1 Simple shell interface