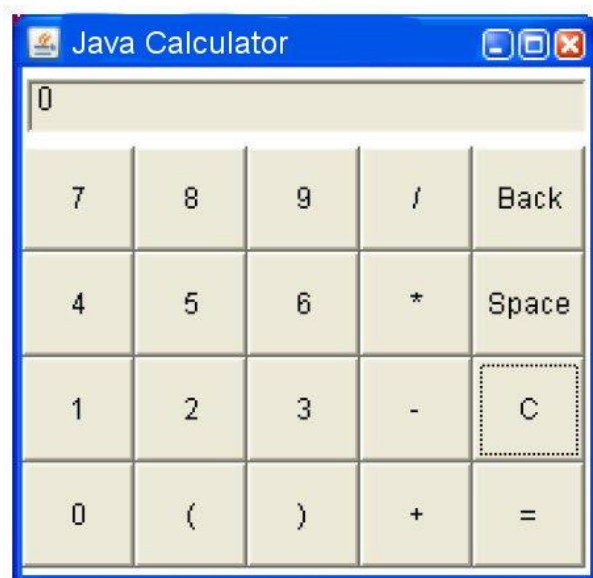


Homework #2: Java Programming  
(Due by 11:59pm on Nov. 2, Wednesday )

1. Purpose of the programming : [Integer calculator Program based on GUI]
  - You will write a calculator program for integer numbers for this homework
  - The calculator should be able to do addition, subtraction, multiplication, and division for integer numbers.
  - The calculator will take receive an equation composed of +, -, \*, /, and several integers through GUI, and its result is outputted over the GUI.
2. Requirements of input
  - Possible operators are addition(+), subtraction(-), multiplication(\*), and division(/). And, parentheses ('(',')') is also possible.
  - Integers as operands should be positive. Negative integer can be represented in the form of ( 0 – positive number ). For example, -4 is represented as ( 0 – 4 ). Likewise -8 as ( 0 – 8 )
  - There should exist at least one blank ( ' ' ) between every integer, operator, and parenthesis.
    - Example: ( 2 + 4 ) \* 5
    - Wrong example : (2+4) \* 5
3. GUI example



4. Submissions
  - (1) The Source code of your program
  - (2) Word document that contains:

- 1) The structure of your program
- 2) Explanation of your class member and its related function  
: You may include some important parts of your codes with its related explanation.
- 3) 5 or 6 snapshots of your execution output

5. Grading Criteria

- (1) Class Organization  
You should write a class that deals with the game and a main function class separately
- (2) Indent  
Please pay attention to indents in your coding. Lack of or inappropriate indents will deduct your points.
- (3) In your assignment, please explain the following as well.  
Explain your class member and its related function.  
Explain the structure of your program.
- (4) Execution  
How well your program is executed will be considered in grading.

6. Submit both the source codes of your program and the word document above. Please email your submission to 'dypark1211@gmail.com'.
- When you send the submission to the above email address, please use the following rule for your email title. GSU[JAVA Programming][HW#2][Wed][Your name][Your ID]
- Important reminder: You must write **your own** codes and give **your own** answers. If you copy someone else's codes or answers, it is serious plagiarism. You will receive **zero** for this assignment and disciplinary actions will be taken.

Late Policy: If you submit  $m$  days later, your maximum grade will be  $100 \cdot (1 - 0.2m)$ .  
For example, if  $m=2$ , your maximum grade is  $100 \cdot (1 - 0.2 \cdot 2) = 100 \cdot 0.8 = 80$ .