

Python Programming @ The department of Computer Science



Calculator

Requirements

Design and develop a simple calculator Java program. The calculator (Figure 1) should be able to resolve simple arithmetic expressions of the form:

`<OPERAND> <OPERATOR> <OPERAND>`

Where `< OPERAND >` is an integer of some kind and `< OPERATOR >` is one of the operators `'+', '-', '*'` or `'/'` (integer division). Thus given the expression:

`63*35`

The program should calculate the value of the expression and display the result.

Note: remember to include a divide by zero test!



Testing

Test Case			Expected result
Operand 1	Operator	Operand 2	
3	+	2	5
3	-	2	1
3	*	2	6
3	/	0	Error
3	/	2	1
3	%	4	Error

Notes

A sequence of if else statements can be written as follows:

```
if <CONDITION_1> :
    <STATREMENTS_1>
elif <CONDITION_2> :
    <STATREMENTS_2>
elif <CONDITION_3> :
    <STATREMENTS_3>
else
    <STATREMENTS_4>
```

The last is the default.

Contact:

The Department of Computer Science
The University of Liverpool
Liverpool L693BX

Tel: 0151 725 4275

Email: general-enquiries@csc.liv.ac.uk

WWW: <http://www.csc.liv.ac.uk>