An Integer Calculator

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1 The Problem

Consider writing a simple calculator for our computer. The calculator does only integer arithmetic. It should be able to perform the following calculations: +, -, *, /, %, minimum and maximum.

2 The Program

Write a C++ program that will have the following computer/user dialog. The choices of operations presented to the user is called a menu.

```
Welcome to the integer calculator.
1: add
2: subtract
3: minimum
4: maximum
5: multiply
6: quotient
7: remainder
8: exit

Please make a choice: 4
Input the first integer: 7
Input the second integer: 9
The maximum is: 9
```

The boldface numbers are what the user types on the keyboard. If the user types in an invalid choice, '9' for example, the program should print an error.
message of some type and ask the user again for a choice. If choice ‘8’ is
selected, no computation is performed and the program is terminated.

3 Embellishment

Write the program so that it performs a sequence of operations until the user
decides to exit.