







```
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    Conditional Execution, Continued
• char menu_pick; /* should be one of '+', '-' */
    /* ... */
    switch (menu_pick) {
        case '+':
            result = input1 + input2;
            break;
        case '-':
            result = input1 + input2;
            break;
        default:
            result = 0;
            printf("operator not recognized\n");
    }
```





Example — Finding Roots of a Quadratic Equation

• As a rather math-y example, let's write a program to compute and print the roots of a quadratic equation

$$ax^2 + bx + c = 0$$

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$$\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

and try to account for as many cases as we can ...

• We'll use the formula





