



Introduction to Computing CS 151

Department of Physics and Computer Science
Medgar Evers College

Quiz 02 - Tracing

Direction: Submit typed work or spreadsheet in the **Quizzes** directory of your **GitHub** repository or **Dropbox**; or in your **Quiz02** google classroom assignment. The file named should be "quiz02.txt" or "quiz02.xls".

For this quiz, your objective is to construct the trace table for the following program using the inputs (4,2,-15,25). The function boolalpha makes boolean values display as true or false, but its does not diplay anything itself.

```
int main()
{
    int c,r,x;
    bool k;

    cout << "Enter x\n";
    cin >> x;
    cout << "Enter a\n";
    cin >> c;

    r = c;
    r *= x;

    cout << "Enter b\n";
    cin >> c;

    r += c;
    r *= x;

    cout << "Enter c\n";
    cin >> c;

    r += c;
    k = r < 0;

    cout << boolalpha << "It is "<< k << " that "<< r << " is negative\n";
    return 0;
}
```