```
// Suggested fine calculation
#include <iostream>
#include <string>
using namespace std;
int main()
      // Get and validate defendant
    cout << "Defendant: ";</pre>
    string defendant;
    getline(cin, defendant);
    if (defendant == "")
    {
        cout << "---\nYou must enter a defendant name." << endl;</pre>
        return 1;
      // Get and validate amount paid
    cout << "Amount paid (in thousands): ";</pre>
    double amt;
    cin >> amt;
    cin.ignore(10000, '\n');
    if (amt < 0)
    {
        cout << "---\nThe amount paid must not be negative." << endl;</pre>
        return 1;
    }
      // Get and validate fake athlete status
    cout << "Fake athlete? (y/n): ";</pre>
    string fakeAth;
    getline(cin, fakeAth);
    if (fakeAth != "y" && fakeAth != "n")
        cout << "---\nYou must enter y or n." << endl;</pre>
        return 1;
    }
      // Amount paid cutoff points and fine rates
    const double BASE FINE
                                          20;
    const double BRACKET CUTOFF 1
                                          40;
    const double BRACKET_CUTOFF_2
                                         250;
    const double RATE 1
    const double RATE_2_NO_FAKE_ATH = 0.10;
    const double RATE_2_FAKE_ATH
                                      = 0.22;
    const double RATE 3
                                      = 0.14;
      // Compute fine
    double fine = BASE_FINE;
    if (amt <= BRACKET_CUTOFF_1)</pre>
        fine += amt * RATE_1;
    else
    {
          // Compute additional fine for the portion of amt in first bracket
        fine += BRACKET CUTOFF 1 * RATE 1;
```

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// Determine rate for second bracket
        double rate 2 = RATE 2 NO FAKE ATH;
        if (fakeAth == "y")
            rate_2 = RATE_2_FAKE_ATH;
        if (amt <= BRACKET_CUTOFF_2)</pre>
              // Add fine for remainder of amt (in 2nd bracket)
            fine += (amt - BRACKET_CUTOFF_1) * rate_2;
        }
        else
        {
              // Add fine for the portion of amt in 2nd bracket
              // and the remainder of amt (in 3rd bracket)
            fine += (BRACKET_CUTOFF_2 - BRACKET_CUTOFF_1) * rate_2 +
                     (amt - BRACKET CUTOFF 2) * RATE 3;
        }
    }
      // Print fine
    cout.setf(ios::fixed);
    cout.precision(1);
    cout << "---\nThe suggested fine for " << defendant << " is $" << fine</pre>
         << " thousand." << endl;</pre>
}
```