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// In this lesson we will be dealing with how we can use arithmetic(math) in c++
#include<iostream>
using namespace std;
int main(){
    // Below is the beginning of the story
    cout<<
        " You wake up in an abyss of fogginess as your clothes are tarnished and
        ragged. The ones who got one over on you at least had the decency to leave you
        with your cowboy hat, but as for your horse, rifle and any other belongings you
        seem to have had are all gone. You stand up with pain wincing all over your body
        as the unmerciful sun beats you all over your body as if it were trying to cook
        you well done for the buzzards, coyotes and all other varmints who are set on
        eating your flesh. The only thing you do now is walk in the direction you believe
        will lead you to salvation. \n"
        << endl;
    cout<<
        "You awake in a doctor's office as your eyes dart to map out the contents
        of the doctor's office you see many tools for surgery and also a plaque of
        achievement for helping wounded soldiers in the civil war. A female doctor comes
        in the room and she ask you if you know your basic arithmetic and you answer yes!
        she then starts to barrage you with many simple arithmetic questions to gauge
        whether you're in your right mind.\n"
        <<endl;
    cout<<
        " she says what's 7 + 3 =  you respond "<< 7 + 3 <<".\n"
        <<endl;
    cout<<
        " she says what's 7 - 3 =  you respond "<< 7 - 3 <<".\n"
        <<endl;
    cout<<
        " she says what's 7 * 3 =  you respond "<< 7 * 3 <<".\n"
        <<endl;
    // doing division in C++ will just give you a rounded number
    cout << " she says what's 7 / 3 =  you respond " << 7 / 3 << endl;
    // doing division with a .0 on both numbers will give you the actual
    calculator value
    cout << " she says what's 7.0 / 3.0 =  you respond " << 7.0 / 3.0 << endl;
    // MODULO will just give the remainder of a division
    cout << "she says what's 7 % 3 =  you respond " << 7 % 3 << endl;
    // Below you can see that PEMDAS WILL FOLLOW IN C++ ARITHMATIC
    cout << "she says what's 7 + 3 * 5 =  you respond " << 7 + 3 * 5 << endl;
    cout << " she says what's (7 + 3) * 5 =  you respond " << (7 + 3) * 5
    << endl;

    return 0;
}

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