

```

#include <iostream>
#include <string>
using namespace std;
int main()
{
    std::cout << "Hello, " << "!\n";
    string Automatic_Irrigation_System_zzyz;
    int bottom_threshold;
    int irrigation;
    int value;
    int threshold;
    int tank_water_level;
    int threshold_level;

    while (1)
    {
        while (1)
        {
            Automatic_Irrigation_System_zzyz ="Measure soil moisture";
            cout << Automatic_Irrigation_System_zzyz << endl;
            cin >> value;
            threshold =50;
            if (value<threshold) break;
            cout << "SENDING REPORT ALL OK" << endl;
        }
        while (1)
        {
            Automatic_Irrigation_System_zzyz ="Measure tank water level ";
            cout << Automatic_Irrigation_System_zzyz << endl;
            cin >> tank_water_level;
            bottom_threshold =30;
            if (tank_water_level>bottom_threshold) break;
            cout << "Motor pump Switched ON " << endl;
            cout << "Alarm on to fill tank and motor is switched off" << endl;
        }
        Automatic_Irrigation_System_zzyz ="STARTING IRRIGATION";
        cout << Automatic_Irrigation_System_zzyz << endl;
        cin >> irrigation;
        threshold_level =50;
        if (irrigation>threshold_level) break;
    }
    cout << "SENDING REPORT ALL OK" << endl;
    return 0;
}

```





