```cpp
#include <iostream>

using namespace std;

// this function reads integer value and re-read until it's 0 or positive.
int readNotNegative() {
        int x;
        cin >> x;

        while (x < 0) {
                cout << "Please enter not negative data: ";
                cin >> x;
        }
        return x;
}

// for out-patient total charges amount is sum of services and medication.
int computeTotalCharges(int hospitalServices, int hospitalMedication) {
        return hospitalMedication + hospitalServices;
}

// for in-patient total charges amount is number of days multiplied by daily rate plus sum of services and medication.
int computeTotalCharges(int numberOfDays, int dailyRate, int hospitalServices, int hospitalMedication) {
        return numberOfDays * dailyRate + hospitalMedication + hospitalServices;
}

int main() {

        // get patient type.
        int patientType;
        cout << "Enter 0 for in-patient or 1 for out-patient: ";
        cin >> patientType;
```

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        // re-read patient type until valid
        while ((patientType != 0) && (patientType != 1)) {
                cout << "Incorect data! Enter 0 for in-patient or 1 for out-patient: ";
                cin >> patientType;
        }


        int numberOfDays = 0;
        int dailyRate = 0;
        int hospitalServices = 0;
        int hospitalMedication = 0;


        // we read this data only for in-patient
        if (patientType == 0) {
                cout << "Enter number of days spent in the hospital: ";
                numberOfDays = readNotNegative();


                cout << "Enter daily rate: ";
                dailyRate = readNotNegative();
        }


        // we read this data for both in-patient and out-patient
        cout << "Enter charges for hospital services: ";
        hospitalServices = readNotNegative();


        cout << "Enter hospital medication charges: ";
        hospitalMedication = readNotNegative();


        // compute total charges depending on patient type
        int totalCharges;
        if (patientType == 0) {
                totalCharges = computeTotalCharges(numberOfDays, dailyRate, hospitalServices, hospitalMedication);
        } else {
                totalCharges = computeTotalCharges(hospitalServices, hospitalMedication);
```

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    }

        cout << "Total charges: " << totalCharges << endl;

        // this is to keep console window to let user read the answer.

        system("pause");
}
```